

WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 3B

2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Comparison of Racial and Ethnic Distribution by County

Comparison of Racial and Ethnic Distribution (2)								
County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Alcona	34	*	*	*	*	*	*	*
Alger	22	*	*	*	*	*	*	*
Allegan	414	74.6	1.7	17.4	0.5	1.4	3.4	1.0
Alpena	122	96.7	0.0	0.8	0.0	0.0	2.5	0.0
Antrim	73	*	*	*	*	*	*	*
Arenac	86	*	*	*	*	*	*	*
Baraga	33	*	*	*	*	*	*	*
Barry	217	90.3	0.9	5.5	0.5	0.9	1.8	0.0
Bay	433	80.6	2.8	9.2	0.0	0.7	6.5	0.2
Benzie	74	*	*	*	*	*	*	*
Berrien	636	51.1	29.9	10.2	0.2	1.7	6.3	0.6
Branch	350	76.6	8.3	13.7	0.3	0.0	1.1	0.0
Calhoun	887	57.6	19.8	11.6	0.3	3.6	5.7	1.2
Cass	272	56.3	6.3	27.2	0.0	0.7	8.1	1.5
Charlevoix	95	*	*	*	*	*	*	*
Cheboygan	105	77.1	1.0	9.5	0.0	1.9	10.5	0.0
Chippewa	186	59.1	1.1	1.1	23.7	0.5	14.0	0.5
Clare	156	94.2	0.0	3.8	0.0	0.0	1.9	0.0
Clinton	128	78.1	0.8	14.8	0.0	2.3	3.9	0.0
Crawford	76	*	*	*	*	*	*	*
Delta	166	82.5	0.6	4.2	2.4	1.2	9.0	0.0
Dickinson	99	*	*	*	*	*	*	*
Eaton	200	84.5	6.0	6.5	0.0	1.0	2.0	0.0

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors

* National includes previous year's data for all participating States and ITOs.

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Michigan

Comparison of Racial and Ethnic Distribution by County

Comparison of Racial and Ethnic Distribution (2)								
County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Emmet	113	85.0	2.7	6.2	1.8	0.9	3.5	0.0
Genesee	2,301	47.9	38.0	6.8	0.1	0.4	6.4	0.3
Gladwin	136	90.4	0.7	3.7	0.0	0.7	4.4	0.0
Gogebic	70	*	*	*	*	*	*	*
Gr Travers	340	80.3	2.1	10.9	1.5	1.8	3.2	0.3
Gratiot	198	86.4	0.0	9.6	0.5	0.0	3.0	0.5
Hillsdale	248	94.0	0.4	2.8	0.0	0.0	2.4	0.4
Houghton	165	87.3	4.2	2.4	0.0	2.4	3.6	0.0
Huron	145	92.4	0.0	6.2	0.0	0.0	0.7	0.7
Ingham	1,716	40.0	29.0	19.3	0.2	5.4	5.7	0.5
Ionia	274	85.4	0.4	9.5	0.0	0.0	4.0	0.7
Iosco	120	88.3	1.7	5.8	0.0	0.0	4.2	0.0
Iron	53	*	*	*	*	*	*	*
Isabella	348	78.7	3.2	9.2	3.4	0.3	3.7	1.4
Jackson	766	69.6	12.8	8.5	0.4	0.5	7.3	0.8
Kalamazoo	1,095	43.0	35.1	12.7	0.0	1.7	7.1	0.4
Kalkaska	75	*	*	*	*	*	*	*
Kent	3,248	28.4	27.4	35.5	0.2	3.8	4.6	0.1
Lake	64	*	*	*	*	*	*	*
Lapeer	345	80.6	1.2	12.5	0.3	0.6	4.9	0.0
Leelanau	28	*	*	*	*	*	*	*
Lenawee	348	71.6	1.7	21.0	0.0	0.3	3.4	2.0
Livingston	335	84.2	0.6	9.0	0.3	2.4	2.7	0.9

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Comparison of Racial and Ethnic Distribution by County

Comparison of Racial and Ethnic Distribution (2)								
County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Luce	43	*	*	*	*	*	*	*
Mackinac	29	*	*	*	*	*	*	*
Macomb	3,099	46.5	30.9	6.4	0.1	12.0	3.7	0.4
Manistee	90	*	*	*	*	*	*	*
Marquette	203	86.7	2.0	3.9	1.0	0.5	5.4	0.5
Mason	105	78.1	1.0	18.1	1.0	0.0	1.9	0.0
Mecosta	223	83.0	4.0	7.2	0.9	0.4	4.0	0.4
Menominee	82	*	*	*	*	*	*	*
Midland	287	88.5	2.1	4.9	0.0	0.7	3.8	0.0
Missaukee	57	*	*	*	*	*	*	*
Monroe	590	78.0	6.8	10.2	0.0	0.3	4.1	0.7
Montcalm	315	90.5	1.3	4.8	0.0	1.6	1.9	0.0
Montmorenc	42	*	*	*	*	*	*	*
Muskegon	1,026	57.9	23.0	11.9	0.2	0.5	6.2	0.3
Newaygo	317	78.9	0.3	17.7	0.0	0.3	2.5	0.3
Oakland	3,221	35.4	39.9	17.8	0.1	3.1	3.6	0.2
Oceana	138	51.4	0.7	43.5	0.0	0.0	1.4	2.9
Ogemaw	122	95.1	0.0	1.6	0.0	0.0	3.3	0.0
Ontonagon	19	*	*	*	*	*	*	*
Osceola	106	94.3	0.0	3.8	0.0	0.9	0.9	0.0
Oscoda	28	*	*	*	*	*	*	*
Otsego	139	90.6	1.4	4.3	0.0	0.0	3.6	0.0
Ottawa	1,031	49.9	3.8	40.0	0.1	2.5	2.6	1.2

(1) Reporting period is January 1 through December 31

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Comparison of Racial and Ethnic Distribution by County

Comparison of Racial and Ethnic Distribution (2)								
County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Presque Is	42	*	*	*	*	*	*	*
Roscommon	101	91.1	0.0	5.0	0.0	0.0	4.0	0.0
Saginaw	1,139	42.3	33.8	16.9	0.4	0.9	5.4	0.3
Sanilac	155	89.7	0.0	7.7	0.0	0.0	2.6	0.0
Schoolcraf	29	*	*	*	*	*	*	*
Shiawassee	367	90.2	0.3	6.3	0.0	0.3	2.7	0.3
St Clair	570	76.7	6.0	8.6	0.0	0.5	7.9	0.4
St Joseph	361	65.9	0.8	26.3	0.0	0.3	6.1	0.6
Tuscola	212	91.5	0.0	6.6	0.0	0.0	0.0	1.9
Van Buren	417	60.4	2.6	32.1	0.0	0.0	3.8	1.0
Washtenaw	945	35.9	35.0	17.4	0.1	3.6	7.2	0.8
Wayne	11,514	31.2	48.7	13.7	0.1	3.5	2.4	0.4
Wexford	219	87.2	0.9	6.8	0.0	0.0	4.1	0.9
Michigan	44,869	50.2	27.3	14.6	0.4	3.0	4.2	0.5
National (Prior Year)	55,377	48.7	25.3	16.3	1.8	3.1	4.4	0.4

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Comparison of Age Distribution by County

Comparison of Age Distribution (2)								
County	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Alcona	34	*	*	*	*	*	*	*
Alger	22	*	*	*	*	*	*	*
Allegan	414	0.0	1.7	6.5	57.5	30.4	2.2	1.7
Alpena	122	0.0	0.0	9.8	63.9	24.6	1.6	0.0
Antrim	73	*	*	*	*	*	*	*
Arenac	86	*	*	*	*	*	*	*
Baraga	33	*	*	*	*	*	*	*
Barry	217	0.0	1.8	5.1	64.1	24.4	1.8	2.8
Bay	433	0.2	1.8	6.9	64.2	24.7	1.4	0.7
Benzie	74	*	*	*	*	*	*	*
Berrien	636	0.2	1.1	4.9	60.8	28.0	1.4	3.6
Branch	350	0.0	1.4	4.6	59.7	27.7	4.9	1.7
Calhoun	887	0.0	1.8	4.4	59.3	29.1	2.1	3.3
Cass	272	0.0	0.4	4.8	58.8	31.6	1.5	2.9
Charlevoix	95	*	*	*	*	*	*	*
Cheboygan	105	0.0	1.0	5.7	60.0	31.4	0.0	1.9
Chippewa	186	0.5	0.0	5.4	60.8	27.4	2.2	3.8
Clare	156	0.0	1.9	3.8	64.7	23.1	1.9	4.5
Clinton	128	0.0	3.1	8.6	59.4	28.1	0.8	0.0
Crawford	76	*	*	*	*	*	*	*
Delta	166	0.0	1.2	4.8	59.0	28.9	6.0	0.0
Dickinson	99	*	*	*	*	*	*	*
Eaton	200	0.0	1.0	6.0	56.0	32.0	3.0	2.0
Emmet	113	0.0	0.0	5.3	58.4	32.7	2.7	0.9

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Michigan

Comparison of Age Distribution by County

Comparison of Age Distribution (2)								
County	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Genesee	2,301	0.1	2.4	6.3	59.1	29.0	1.7	1.3
Gladwin	136	0.0	1.5	3.7	62.5	22.8	2.2	7.4
Gogebic	70	*	*	*	*	*	*	*
Gr Travers	340	0.0	2.4	5.0	53.8	33.5	3.8	1.5
Gratiot	198	0.0	1.5	5.1	64.1	25.3	2.5	1.5
Hillsdale	248	0.0	2.4	8.1	60.5	21.8	1.2	6.0
Houghton	165	0.0	0.6	6.7	50.3	38.2	1.8	2.4
Huron	145	0.0	0.0	6.9	61.4	28.3	1.4	2.1
Ingham	1,716	0.1	1.8	5.4	57.3	32.0	1.9	1.6
Ionia	274	0.0	3.3	9.9	57.7	26.3	1.1	1.8
Iosco	120	0.0	0.8	7.5	60.8	22.5	2.5	5.8
Iron	53	*	*	*	*	*	*	*
Isabella	348	0.0	2.0	6.3	66.7	21.3	1.4	2.3
Jackson	766	0.0	1.7	6.0	56.3	28.1	1.7	6.3
Kalamazoo	1,095	0.1	2.0	6.0	56.9	29.4	3.2	2.4
Kalkaska	75	*	*	*	*	*	*	*
Kent	3,248	0.1	2.1	4.7	54.1	33.6	2.9	2.6
Lake	64	*	*	*	*	*	*	*
Lapeer	345	0.0	0.9	3.8	58.0	30.4	3.2	3.8
Leelanau	28	*	*	*	*	*	*	*
Lenawee	348	0.3	1.4	4.0	61.8	27.6	1.4	3.4
Livingston	335	0.0	1.5	6.3	56.4	33.4	1.8	0.6
Luce	43	*	*	*	*	*	*	*
Mackinac	29	*	*	*	*	*	*	*

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Michigan

Comparison of Age Distribution by County

Comparison of Age Distribution (2)								
County	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Macomb	3,099	0.0	0.9	2.8	52.7	40.0	2.6	0.9
Manistee	90	*	*	*	*	*	*	*
Marquette	203	0.5	1.0	4.9	58.6	32.0	2.0	1.0
Mason	105	0.0	0.0	3.8	57.1	34.3	1.0	3.8
Mecosta	223	0.0	1.8	8.5	59.2	27.8	2.7	0.0
Menominee	82	*	*	*	*	*	*	*
Midland	287	0.0	1.7	4.5	59.2	30.7	3.1	0.7
Missaukee	57	*	*	*	*	*	*	*
Monroe	590	0.0	1.2	4.9	60.5	29.5	1.5	2.4
Montcalm	315	0.0	1.3	7.0	65.4	23.5	1.0	1.9
Montmorenc	42	*	*	*	*	*	*	*
Muskegon	1,026	0.1	0.8	3.4	61.0	27.7	2.2	4.8
Newaygo	317	0.0	1.6	3.8	58.4	30.9	1.9	3.5
Oakland	3,221	0.1	1.0	3.6	54.2	36.5	3.1	1.4
Oceana	138	0.0	2.2	6.5	51.4	28.3	0.7	10.9
Ogemaw	122	0.0	3.3	8.2	62.3	23.8	0.8	1.6
Ontonagon	19	*	*	*	*	*	*	*
Osceola	106	0.0	0.0	3.8	64.2	28.3	0.0	3.8
Oscoda	28	*	*	*	*	*	*	*
Otsego	139	0.0	0.0	1.4	76.3	17.3	0.7	4.3
Ottawa	1,031	0.2	0.7	5.6	57.9	32.7	2.1	0.8
Presque Is	42	*	*	*	*	*	*	*
Roscommon	101	0.0	0.0	1.0	68.3	23.8	2.0	5.0
Saginaw	1,139	0.1	1.5	4.8	57.3	30.2	1.9	4.1

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Michigan
Comparison of Age Distribution by County

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Comparison of Age Distribution (2)								
County	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Sanilac	155	0.0	3.2	3.9	61.3	29.0	1.3	1.3
Schoolcraf	29	*	*	*	*	*	*	*
Shiawassee	367	0.0	1.9	3.8	60.2	31.3	1.6	1.1
St Clair	570	0.2	1.4	5.3	60.9	26.7	1.9	3.7
St Joseph	361	0.0	1.9	5.5	57.1	27.1	2.2	6.1
Tuscola	212	0.0	0.5	5.2	57.5	28.8	2.8	5.2
Van Buren	417	0.0	3.6	6.5	56.1	28.8	3.1	1.9
Washtenaw	945	0.2	1.1	4.7	52.2	36.8	3.9	1.2
Wayne	11,514	0.1	1.5	4.2	53.2	36.6	3.1	1.3
Wexford	219	0.0	0.9	6.4	53.4	32.9	3.2	3.2
Michigan	44,870	0.1	1.5	4.8	56.3	32.7	2.6	2.1
National (Prior Year)	55,378	0.1	1.6	5.5	56.6	32.4	2.6	1.2

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WIC PNSS & PedNSS

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2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Comparison of Maternal Health Indicators by County

Comparison of Maternal Health Indicators (2,3)														
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(4)			(5)			(6)							
	Under-weight	Over-weight		< Ideal	> Ideal		3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Alcona	23	*	*	14	*	*	6	*	7	*	31	*	31	*
Alger	15	*	*	2	*	*	3	*	8	*	21	*	21	*
Allegan	257	4.3 (17)	64.2 (42)	116	19.8 (28)	51.7 (7)	54	*	117	20.5 (5)	381	8.4 (17)	382	13.9 (26)
Alpena	108	2.8 (3)	52.8 (3)	67	*	*	15	*	19	*	110	5.5 (3)	111	21.6 (49)
Antrim	31	*	*	6	*	*	13	*	15	*	67	*	67	*
Arenac	74	*	*	44	*	*	10	*	11	*	84	*	84	*
Baraga	18	*	*	5	*	*	4	*	5	*	29	*	29	*
Barry	120	8.3 (49)	54.2 (4)	52	*	*	31	*	63	*	208	7.2 (9)	208	21.6 (49)
Bay	360	7.2 (47)	58.6 (9)	243	18.1 (24)	54.7 (12)	67	*	149	28.2 (13)	402	10.7 (38)	403	14.1 (27)
Benzie	66	*	*	41	*	*	9	*	19	*	70	*	70	*
Berrien	503	6.6 (43)	59.8 (16)	225	22.7 (32)	49.3 (4)	100	33.0 (6)	206	20.9 (6)	564	8.7 (19)	564	15.8 (32)
Branch	153	4.6 (23)	62.1 (33)	36	*	*	72	*	72	*	327	7.0 (6)	327	7.6 (2)
Calhoun	785	3.2 (5)	63.6 (39)	547	16.5 (18)	56.5 (20)	127	28.3 (2)	124	21.8 (7)	811	7.4 (10)	811	12.8 (16)
Cass	233	3.4 (9)	66.1 (48)	152	15.1 (11)	50.0 (5)	42	*	48	*	239	12.1 (47)	239	11.3 (10)
Charlevoix	75	*	*	9	*	*	16	*	24	*	90	*	90	*
Cheboygan	85	*	*	3	*	*	15	*	30	*	97	*	97	*
Chippewa	153	3.3 (8)	62.7 (36)	83	*	*	13	*	48	*	163	10.4 (33)	163	16.6 (35)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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Comparison of Maternal Health Indicators by County

Comparison of Maternal Health Indicators (2,3)														
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(4)			(5)			(6)							
	Under- weight	Over- weight		< Ideal	> Ideal		3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Clare	116	5.2 (33)	61.2 (28)	23	*	*	20	*	35	*	145	11.7 (46)	145	13.1 (19)
Clinton	113	5.3 (34)	64.6 (44)	77	*	*	17	*	37	*	121	6.6 (4)	121	13.2 (20)
Crawford	63	*	*	45	*	*	6	*	27	*	67	*	66	*
Delta	159	3.1 (4)	61.0 (26)	109	18.3 (25)	55.0 (13)	28	*	38	*	153	9.2 (23)	154	21.4 (48)
Dickinson	88	*	*	67	*	*	7	*	16	*	91	*	91	*
Eaton	102	3.9 (12)	56.9 (7)	18	*	*	21	*	44	*	182	15.4 (54)	182	18.7 (43)
Emmet	106	1.9 (2)	51.9 (2)	42	*	*	17	*	24	*	107	10.3 (30)	107	12.1 (14)
Genesee	1,596	6.6 (43)	58.8 (10)	652	20.9 (31)	50.5 (6)	399	43.4 (12)	535	31.2 (16)	2,120	11.3 (42)	2,122	16.3 (33)
Gladwin	127	7.1 (46)	64.6 (44)	62	*	*	18	*	22	*	131	9.2 (23)	131	18.3 (41)
Gogebic	45	*	*	12	*	*	6	*	22	*	62	*	62	*
Gr Travers	248	3.2 (5)	60.1 (20)	153	20.3 (29)	49.0 (3)	34	*	60	*	308	8.8 (20)	309	13.3 (23)
Gratiot	174	5.7 (39)	64.9 (46)	114	17.5 (22)	55.3 (15)	30	*	58	*	179	14.0 (52)	179	11.2 (9)
Hillsdale	215	4.7 (25)	59.1 (11)	150	14.7 (9)	60.0 (28)	32	*	59	*	234	14.5 (53)	233	18.5 (42)
Houghton	80	*	*	32	*	*	23	*	56	*	151	10.6 (37)	151	13.2 (20)
Huron	117	5.1 (28)	65.0 (47)	60	*	*	17	*	38	*	142	7.0 (6)	142	25.4 (52)
Ingham	1,401	4.3 (17)	59.2 (12)	808	15.2 (12)	55.9 (17)	288	32.3 (4)	293	21.8 (7)	1,624	6.9 (5)	1,625	11.3 (10)
Ionia	237	7.2 (47)	59.9 (19)	177	16.4 (17)	61.6 (30)	34	*	66	*	257	7.8 (12)	257	19.1 (44)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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Michigan

Comparison of Maternal Health Indicators by County

Comparison of Maternal Health Indicators (2,3)														
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(4)		(5)	(6)										
	Under- weight	Over- weight		< Ideal	> Ideal		3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Iosco	73	*	*	11	*	*	17	*	26	*	113	5.3 (1)	113	11.5 (12)
Iron	30	*	*	5	*	*	3	*	9	*	44	*	43	*
Isabella	220	3.6 (10)	62.7 (36)	107	15.0 (10)	58.9 (26)	50	*	93	*	318	12.9 (50)	320	17.8 (40)
Jackson	608	5.6 (38)	59.5 (14)	384	18.8 (26)	53.9 (10)	80	*	111	33.3 (18)	697	10.3 (30)	699	13.6 (25)
Kalamazoo	850	4.9 (27)	61.8 (30)	406	10.6 (2)	62.8 (32)	144	34.7 (7)	250	19.2 (4)	988	8.0 (14)	987	14.6 (30)
Kalkaska	63	*	*	48	*	*	14	*	24	*	66	*	66	*
Kent	1,820	3.9 (12)	60.7 (22)	754	26.4 (33)	47.5 (1)	522	32.6 (5)	1,071	25.8 (12)	3,035	9.7 (26)	3,039	19.8 (46)
Lake	62	*	*	45	*	*	10	*	16	*	58	*	58	*
Lapeer	324	4.3 (17)	59.3 (13)	242	13.6 (5)	57.9 (24)	49	*	94	*	325	10.5 (35)	325	8.9 (4)
Leelanau	18	*	*	11	*	*	3	*	6	*	24	*	24	*
Lenawee	266	5.3 (34)	59.8 (16)	144	6.9 (1)	61.8 (31)	38	*	83	*	319	10.0 (28)	319	13.5 (24)
Livingston	285	6.7 (45)	55.1 (5)	178	17.4 (21)	58.4 (25)	32	*	95	*	310	10.0 (28)	311	24.4 (51)
Luce	29	*	*	9	*	*	6	*	12	*	39	*	39	*
Mackinac	25	*	*	17	*	*	0	*	8	*	26	*	26	*
Macomb	2,873	3.9 (12)	61.8 (30)	2,299	16.5 (18)	52.5 (9)	526	39.0 (9)	1,204	29.1 (15)	2,924	11.5 (44)	2,927	14.1 (27)
Manistee	79	*	*	56	*	*	11	*	21	*	82	*	82	*
Marquette	164	6.1 (41)	55.5 (6)	111	18.0 (23)	55.9 (17)	21	*	49	*	185	7.0 (6)	186	16.7 (36)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

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2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Comparison of Maternal Health Indicators by County

Comparison of Maternal Health Indicators (2,3)														
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(4)			(5)			(6)							
	Under-weight	Over-weight		< Ideal	> Ideal		3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Mason	99	*	*	78	*	*	13	*	34	*	99	*	99	*
Mecosta	176	5.1 (28)	57.4 (8)	58	*	*	14	*	32	*	200	9.5 (25)	201	31.3 (54)
Menominee	80	*	*	61	*	*	11	*	19	*	70	*	70	*
Midland	229	4.4 (21)	67.2 (50)	66	*	*	28	*	49	*	269	9.7 (26)	269	16.7 (36)
Missaukee	53	*	*	41	*	*	5	*	19	*	54	*	54	*
Monroe	558	4.8 (26)	66.5 (49)	423	16.3 (16)	59.8 (27)	88	*	122	18.0 (3)	545	11.6 (45)	545	20.2 (47)
Montcalm	273	5.1 (28)	63.0 (38)	199	14.1 (6)	60.3 (29)	36	*	110	15.5 (2)	296	12.2 (48)	296	17.2 (39)
Montmorenc	38	*	*	20	*	*	8	*	10	*	39	*	39	*
Muskegon	756	4.6 (23)	62.3 (34)	410	15.6 (13)	54.1 (11)	135	42.2 (11)	69	*	959	10.4 (33)	951	19.5 (45)
Newaygo	283	3.2 (5)	64.0 (40)	199	14.1 (6)	57.3 (23)	36	*	86	*	294	10.5 (35)	295	27.1 (53)
Oakland	2,704	4.0 (15)	60.9 (25)	1,596	16.9 (20)	55.1 (14)	534	44.9 (13)	913	31.4 (17)	2,948	7.7 (11)	2,949	13.2 (20)
Oceana	111	4.5 (22)	64.0 (40)	86	*	*	25	*	29	*	126	10.3 (30)	126	8.7 (3)
Ogemaw	78	*	*	18	*	*	16	*	32	*	117	11.1 (40)	117	17.1 (38)
Ontonagon	17	*	*	12	*	*	6	*	2	*	16	*	16	*
Osceola	59	*	*	23	*	*	7	*	40	*	98	*	98	*
Oscoda	14	*	*	3	*	*	5	*	5	*	25	*	25	*
Otsego	111	0.9 (1)	59.5 (14)	13	*	*	16	*	32	*	122	9.0 (22)	122	10.7 (6)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

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Michigan

Comparison of Maternal Health Indicators by County

Comparison of Maternal Health Indicators (2,3)														
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(4)			(5)			(6)							
	Under- weight	Over- weight		< Ideal	> Ideal		3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Ottawa	422	9.5 (50)	50.9 (1)	78	*	*	137	27.0 (1)	242	13.2 (1)	940	8.2 (15)	939	10.9 (7)
Presque Is	23	*	*	3	*	*	7	*	8	*	38	*	38	*
Roscommon	96	*	*	12	*	*	7	*	16	*	94	*	95	*
Saginaw	1,007	3.8 (11)	64.3 (43)	713	19.5 (27)	51.9 (8)	153	28.8 (3)	158	24.1 (10)	1,050	8.5 (18)	1,052	10.5 (5)
Sanilac	71	*	*	10	*	*	18	*	41	*	141	7.8 (12)	141	6.4 (1)
Schoolcraf	28	*	*	21	*	*	4	*	10	*	27	*	27	*
Shiawassee	274	5.5 (36)	61.3 (29)	163	12.9 (4)	57.1 (22)	46	*	79	*	339	8.3 (16)	338	14.5 (29)
St Clair	523	4.2 (16)	59.8 (16)	423	11.6 (3)	64.5 (33)	70	*	179	22.3 (9)	524	11.3 (42)	522	15.1 (31)
St Joseph	289	5.9 (40)	61.9 (32)	119	16.0 (14)	47.9 (2)	53	*	89	*	330	13.0 (51)	330	12.7 (15)
Tuscola	125	6.4 (42)	60.8 (24)	65	*	*	19	*	50	*	194	10.8 (39)	195	12.8 (16)
Van Buren	334	5.1 (28)	62.6 (35)	87	*	*	71	*	85	*	376	12.2 (48)	377	11.1 (8)
Washtenaw	706	5.1 (28)	61.0 (26)	413	14.5 (8)	55.9 (17)	155	40.0 (10)	248	24.2 (11)	855	11.1 (40)	854	16.4 (34)
Wayne	8,154	4.3 (17)	60.7 (22)	4,919	16.2 (15)	55.7 (16)	2,015	36.7 (8)	3,222	28.2 (13)	10,629	8.8 (20)	10,628	12.9 (18)
Wexford	201	5.5 (36)	60.2 (21)	164	20.7 (30)	56.7 (21)	35	*	70	*	206	5.3 (1)	206	11.7 (13)
Michigan	33,778	4.7	60.8	19,602	16.8	55.1	6,900	34.8	11,679	25.4	41,389	9.4	41,399	14.5
National (Prior Year)	42,957	4.2	61.7	27,673	18.8	51.7	6,220	26.9	11,239	22.9	42,973	10.4	42,758	15.6

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(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

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Michigan

Comparison of Maternal Behavioral Indicators by County

Comparison of Maternal Behavioral Indicators (2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy (4)		During Pregnancy (5)	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Alcona	30	*	*	32	*	34	*	24	*
Alger	20	*	*	22	*	22	*	15	*
Allegan	337	91.1 (37)	0.9 (44)	407	31.2 (36)	401	35.9 (14)	297	93.3 (5)
Alpena	94	*	*	117	25.6 (53)	122	32.0 (19)	90	*
Antrim	62	*	*	71	*	73	*	61	*
Arenac	76	*	*	84	*	86	*	75	*
Baraga	27	*	*	33	*	33	*	27	*
Barry	190	96.3 (10)	0.0 (1)	215	33.5 (25)	214	29.0 (24)	156	93.6 (3)
Bay	377	94.2 (20)	0.0 (1)	428	33.6 (24)	431	22.0 (41)	336	87.5 (31)
Benzie	64	*	*	73	*	74	*	60	*
Berrien	545	90.6 (41)	0.2 (18)	632	21.7 (56)	609	18.1 (48)	416	91.6 (11)
Branch	309	98.1 (3)	0.0 (1)	343	26.8 (48)	350	46.0 (4)	267	83.9 (44)
Calhoun	791	96.6 (9)	0.3 (20)	871	31.6 (34)	809	37.1 (10)	673	80.8 (48)
Cass	223	98.7 (1)	0.0 (1)	264	39.4 (8)	266	18.0 (49)	206	79.6 (49)
Charlevoix	81	*	*	93	*	95	*	62	*
Cheboygan	89	*	*	104	30.8 (39)	105	29.5 (23)	78	*
Chippewa	155	98.7 (1)	0.6 (32)	183	47.5 (3)	184	58.2 (2)	146	92.5 (7)
Clare	135	92.6 (30)	0.0 (1)	151	41.1 (5)	143	23.8 (35)	128	88.3 (26)
Clinton	110	97.3 (4)	0.0 (1)	126	30.2 (40)	112	38.4 (8)	95	*
Crawford	63	*	*	75	*	74	*	55	*

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(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

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2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Comparison of Maternal Behavioral Indicators by County

Comparison of Maternal Behavioral Indicators (2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy (4)		During Pregnancy (5)	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Delta	151	90.7 (40)	0.0 (1)	166	33.7 (23)	165	27.9 (25)	133	94.0 (1)
Dickinson	82	*	*	99	*	97	*	76	*
Eaton	177	94.4 (17)	0.6 (32)	199	38.7 (9)	200	19.0 (46)	150	92.7 (6)
Emmet	104	93.3 (24)	0.0 (1)	109	29.4 (41)	113	36.3 (11)	86	*
Genesee	1,912	87.6 (50)	0.6 (32)	2,265	26.4 (49)	2,218	10.4 (57)	1,628	84.0 (43)
Gladwin	105	97.1 (6)	0.0 (1)	133	51.9 (2)	134	35.1 (15)	121	82.6 (47)
Gogebic	60	*	*	70	*	67	*	51	*
Gr Travers	278	92.8 (28)	0.4 (22)	331	36.6 (16)	329	31.3 (21)	244	87.7 (27)
Gratiot	173	93.1 (25)	0.6 (32)	196	35.7 (19)	190	60.5 (1)	157	89.8 (16)
Hillsdale	228	96.1 (11)	0.9 (44)	245	37.6 (11)	244	22.5 (38)	187	87.7 (27)
Houghton	136	92.6 (30)	0.7 (38)	162	32.7 (29)	160	36.3 (11)	121	87.6 (29)
Huron	120	96.7 (8)	0.8 (43)	143	25.9 (52)	143	39.2 (7)	107	91.6 (11)
Ingham	1,354	90.9 (39)	0.7 (38)	1,690	29.2 (42)	1,685	15.3 (55)	1,257	85.8 (37)
Ionia	247	94.3 (18)	0.0 (1)	269	33.1 (27)	269	21.9 (42)	193	91.7 (9)
Iosco	101	94.1 (21)	0.0 (1)	119	34.5 (20)	120	25.8 (32)	100	94.0 (1)
Iron	45	*	*	51	*	47	*	40	*
Isabella	279	90.0 (43)	1.1 (49)	343	36.2 (17)	335	31.9 (20)	264	90.5 (14)
Jackson	645	92.1 (36)	0.6 (32)	754	34.4 (21)	760	21.6 (43)	578	89.8 (16)
Kalamazoo	885	93.0 (27)	0.5 (27)	1,072	32.6 (30)	1,079	21.4 (44)	791	86.3 (36)
Kalkaska	57	*	*	75	*	74	*	63	*
Kent	2,725	89.0 (47)	0.7 (38)	3,196	26.1 (51)	2,634	18.0 (49)	2,464	85.7 (39)

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(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

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Michigan

Comparison of Maternal Behavioral Indicators by County

Comparison of Maternal Behavioral Indicators (2,3)								
County	Medical Care			WIC Enrollment		Multivitamin Consumption		
	1st Trimester		No Care	1st Trimester		Prepregnancy (4)		During Pregnancy (5)
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number % (rank)
Lake	54	*	*	61	*	62	*	49 *
Lapeer	285	93.7 (22)	1.1 (49)	334	33.2 (26)	345	23.2 (37)	249 86.7 (35)
Leelanau	22	*	*	27	*	28	*	16 *
Lenawee	292	92.5 (33)	0.0 (1)	339	26.3 (50)	335	17.6 (52)	236 89.0 (19)
Livingston	277	92.4 (34)	0.7 (38)	327	31.2 (36)	329	36.2 (13)	239 90.0 (15)
Luce	28	*	*	43	*	43	*	35 *
Mackinac	27	*	*	29	*	28	*	20 *
Macomb	2,813	92.7 (29)	0.5 (27)	3,029	19.9 (57)	2,952	17.9 (51)	2,031 92.4 (8)
Manistee	80	*	*	87	*	90	*	68 *
Marquette	155	94.8 (16)	0.6 (32)	201	37.3 (12)	188	37.2 (9)	152 84.9 (41)
Mason	82	*	*	105	40.0 (7)	104	32.7 (17)	78 *
Mecosta	190	95.3 (14)	0.0 (1)	221	52.0 (1)	220	26.4 (29)	179 88.8 (20)
Menominee	66	*	*	81	*	74	*	60 *
Midland	257	97.3 (4)	0.4 (22)	286	31.1 (38)	285	26.3 (30)	217 89.4 (18)
Missaukee	51	*	*	55	*	57	*	43 *
Monroe	508	93.5 (23)	0.4 (22)	586	28.7 (45)	533	42.4 (5)	425 90.6 (13)
Montcalm	275	96.0 (12)	0.0 (1)	312	26.9 (47)	312	40.7 (6)	218 91.7 (9)
Montmorenc	38	*	*	40	*	42	*	32 *
Muskegon	909	93.1 (25)	0.4 (22)	1,009	23.3 (55)	951	32.1 (18)	662 93.5 (4)
Newaygo	215	83.7 (52)	0.9 (44)	314	41.4 (4)	298	27.9 (25)	236 87.3 (32)
Oakland	2,748	92.2 (35)	0.7 (38)	3,167	23.4 (54)	3,059	19.4 (45)	2,213 84.5 (42)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

* National includes previous year's data for all participating States and ITOs.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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Michigan

Comparison of Maternal Behavioral Indicators by County

Comparison of Maternal Behavioral Indicators (2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy (4)		During Pregnancy (5)	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Oceana	97	*	*	136	33.8 (22)	130	22.3 (39)	103	78.6 (50)
Ogemaw	111	95.5 (13)	0.9 (44)	118	33.1 (27)	122	27.9 (25)	90	*
Ontonagon	13	*	*	18	*	19	*	18	*
Osceola	88	*	*	104	40.4 (6)	106	25.5 (33)	76	*
Oscoda	24	*	*	28	*	28	*	23	*
Otsego	121	95.0 (15)	0.0 (1)	138	32.6 (30)	137	47.4 (3)	109	87.2 (33)
Ottawa	907	96.8 (7)	0.0 (1)	1,016	31.4 (35)	995	26.7 (28)	711	88.6 (23)
Presque Is	39	*	*	42	*	42	*	34	*
Roscommon	92	*	*	100	37.0 (13)	99	*	76	*
Saginaw	959	90.0 (43)	0.5 (27)	1,127	36.8 (14)	1,128	19.0 (46)	916	87.6 (29)
Sanilac	133	91.0 (38)	0.0 (1)	154	31.8 (33)	155	11.6 (56)	118	83.1 (46)
Schoolcraf	26	*	*	28	*	29	*	22	*
Shiawassee	280	94.3 (18)	0.4 (22)	363	35.8 (18)	341	22.3 (39)	271	88.6 (23)
St Clair	410	89.0 (47)	0.2 (18)	559	38.1 (10)	568	23.6 (36)	416	88.7 (21)
St Joseph	275	89.1 (46)	1.1 (49)	354	32.5 (32)	353	16.4 (53)	266	83.5 (45)
Tuscola	177	90.4 (42)	1.1 (49)	207	36.7 (15)	205	23.9 (34)	153	85.0 (40)
Van Buren	305	87.2 (51)	0.3 (20)	413	29.1 (44)	405	34.3 (16)	321	88.5 (25)
Washtenaw	811	92.6 (30)	0.5 (27)	930	28.2 (46)	918	25.9 (31)	698	87.0 (34)
Wayne	10,214	89.7 (45)	0.5 (27)	11,312	19.7 (58)	10,973	16.4 (53)	7,705	85.8 (37)
Wexford	195	88.2 (49)	1.0 (48)	209	29.2 (42)	215	31.2 (22)	159	88.7 (21)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

* National includes previous year's data for all participating States and ITOs.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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Michigan

Comparison of Maternal Behavioral Indicators by County

Michigan	38,343	91.5	0.5	44,111	26.9	42,685	21.9	31,855	87.2
National (Prior Year)	45,177	86.0	1.2	50,643	26.0	44,385	23.0	38,838	91.1

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

* National includes previous year's data for all participating States and ITOs.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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Michigan

Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (rank)	Number	% (rank)		Number	% (rank)	Number	% (rank)	
Alcona	24	*	31	*	4	*	24	*	31	*
Alger	15	*	21	*	4	*	15	*	21	*
Allegan	294	10.2 (15)	382	3.9 (12)	33	*	297	14.1 (28)	384	6.3 (29)
Alpena	89	*	111	8.1 (43)	14	*	90	*	109	9.2 (45)
Antrim	61	*	67	*	13	*	61	*	67	*
Arenac	75	*	84	*	16	*	75	*	84	*
Baraga	27	*	29	*	9	*	27	*	29	*
Barry	156	9.0 (9)	208	3.4 (9)	12	*	156	12.2 (25)	205	2.4 (4)
Bay	335	9.9 (14)	405	5.7 (23)	33	*	334	10.2 (19)	403	7.7 (37)
Benzie	60	*	70	*	11	*	59	*	69	*
Berrien	410	13.4 (26)	566	6.0 (25)	53	*	415	12.3 (26)	565	8.1 (38)
Branch	267	9.7 (13)	327	5.5 (18)	24	*	266	9.4 (15)	327	4.9 (24)
Calhoun	662	12.2 (22)	814	2.9 (8)	87	*	659	10.9 (23)	802	3.4 (14)
Cass	205	14.6 (30)	239	5.9 (24)	23	*	206	10.2 (19)	241	3.3 (11)
Charlevoix	61	*	90	*	10	*	62	*	90	*
Cheboygan	77	*	97	*	16	*	78	*	97	*
Chippewa	144	17.4 (36)	165	10.9 (51)	25	*	146	19.9 (43)	167	9.0 (42)
Clare	128	20.3 (43)	145	13.8 (53)	25	*	129	21.7 (46)	144	11.8 (53)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* National includes previous year's data for all participating States and ITOs.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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Michigan

Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (rank)	Number	% (rank)		Number	% (rank)	Number	% (rank)	
Clinton	95	*	114	3.5 (11)	11	*	95	*	121	7.4 (34)
Crawford	55	*	67	*	11	*	55	*	67	*
Delta	133	26.3 (48)	155	13.5 (52)	31	*	133	15.8 (32)	154	2.6 (5)
Dickinson	76	*	90	*	16	*	75	*	91	*
Eaton	150	8.0 (6)	183	6.0 (25)	13	*	151	15.2 (31)	186	3.2 (9)
Emmet	86	*	107	7.5 (37)	12	*	86	*	107	4.7 (22)
Genesee	1,629	12.0 (21)	2,125	5.6 (21)	178	32.6 (4)	1,606	14.5 (29)	2,101	6.9 (31)
Gladwin	121	22.3 (46)	131	9.9 (50)	26	*	121	23.1 (50)	130	9.2 (45)
Gogebic	51	*	62	*	13	*	50	*	61	*
Gr Travers	243	19.8 (41)	310	6.1 (27)	42	*	242	12.8 (27)	312	4.5 (21)
Gratiot	157	14.0 (28)	177	5.1 (15)	20	*	157	19.1 (41)	179	10.6 (49)
Hillsdale	187	20.3 (43)	236	9.7 (48)	35	*	187	20.3 (45)	237	8.9 (41)
Houghton	119	26.9 (49)	153	17.0 (54)	30	*	121	9.9 (18)	154	3.2 (9)
Huron	107	16.8 (35)	142	2.8 (7)	17	*	107	18.7 (40)	142	7.0 (33)
Ingham	1,254	9.5 (11)	1,623	5.4 (17)	119	39.5 (3)	1,252	10.3 (21)	1,626	3.0 (8)
Ionia	192	18.8 (39)	257	9.7 (48)	36	*	192	21.9 (48)	258	5.0 (26)
Iosco	99	*	113	7.1 (33)	19	*	100	22.0 (49)	110	9.1 (43)
Iron	38	*	44	*	9	*	40	*	46	*
Isabella	256	10.5 (17)	319	6.9 (32)	30	*	258	16.3 (34)	317	6.9 (31)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* National includes previous year's data for all participating States and ITOs.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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Michigan

Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (rank)	Number	% (rank)		Number	% (rank)	Number	% (rank)	
Jackson	577	13.3 (25)	701	7.4 (35)	68	*	576	17.0 (38)	700	10.1 (48)
Kalamazoo	790	11.5 (19)	991	5.5 (18)	80	*	789	9.6 (16)	988	3.9 (16)
Kalkaska	62	*	66	*	9	*	63	*	66	*
Kent	2,440	7.5 (4)	3,042	2.7 (6)	190	54.2 (2)	2,384	7.1 (6)	3,039	2.2 (3)
Lake	49	*	58	*	14	*	49	*	57	*
Lapeer	246	12.6 (23)	325	6.8 (31)	32	*	243	8.6 (11)	324	4.9 (24)
Leelanau	16	*	24	*	2	*	16	*	24	*
Lenawee	236	8.1 (7)	319	5.3 (16)	16	*	236	8.9 (13)	321	3.7 (15)
Livingston	238	16.0 (32)	310	3.9 (12)	36	*	240	7.5 (7)	311	3.9 (16)
Luce	34	*	39	*	12	*	35	*	38	*
Mackinac	20	*	26	*	4	*	20	*	27	*
Macomb	2,029	5.2 (2)	2,920	2.0 (2)	98	*	2,008	8.1 (9)	2,906	4.7 (22)
Manistee	69	*	82	*	10	*	69	*	82	*
Marquette	149	20.1 (42)	182	7.7 (39)	32	*	146	6.2 (3)	182	3.3 (11)
Mason	77	*	99	*	19	*	78	*	99	*
Mecosta	179	21.8 (45)	202	9.4 (47)	35	*	179	21.8 (47)	203	11.8 (53)
Menominee	59	*	70	*	13	*	59	*	70	*
Midland	216	13.9 (27)	268	3.4 (9)	29	*	214	6.5 (4)	273	4.4 (19)
Missaukee	43	*	54	*	5	*	43	*	54	*

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* National includes previous year's data for all participating States and ITOs.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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Michigan

Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (rank)	Number	% (rank)		Number	% (rank)	Number	% (rank)	
Monroe	419	17.4 (36)	535	6.4 (28)	76	*	417	16.1 (33)	544	7.5 (36)
Montcalm	217	12.9 (24)	296	7.8 (42)	27	*	215	17.7 (39)	296	11.5 (52)
Montmorenc	32	*	39	*	2	*	32	*	39	*
Muskegon	661	9.5 (11)	965	7.6 (38)	62	*	662	10.4 (22)	970	4.4 (19)
Newaygo	235	17.9 (38)	297	9.1 (46)	41	*	233	11.2 (24)	296	9.1 (43)
Oakland	2,202	4.7 (1)	2,962	1.9 (1)	96	*	2,184	8.9 (13)	2,953	4.1 (18)
Oceana	102	7.8 (5)	126	5.6 (21)	7	*	102	9.8 (17)	126	1.6 (1)
Ogemaw	90	*	118	8.5 (44)	10	*	90	*	118	9.3 (47)
Ontonagon	18	*	16	*	2	*	18	*	16	*
Osceola	76	*	98	*	14	*	76	*	98	*
Oscoda	22	*	25	*	0	*	23	*	24	*
Otsego	108	16.7 (34)	122	7.4 (35)	17	*	109	16.5 (37)	126	11.1 (51)
Ottawa	705	9.1 (10)	945	2.5 (5)	60	*	707	6.1 (2)	943	1.9 (2)
Presque Is	34	*	40	*	8	*	34	*	40	*
Roscommon	76	*	95	*	16	*	77	*	96	*
Saginaw	913	10.2 (15)	1,056	5.5 (18)	88	*	913	15.1 (30)	1,056	7.4 (34)
Sanilac	114	14.0 (28)	141	2.1 (4)	19	*	118	8.5 (10)	141	6.4 (30)
Schoolcraf	22	*	27	*	6	*	22	*	27	*
Shiawassee	267	10.9 (18)	342	6.7 (29)	30	*	270	5.9 (1)	342	5.6 (28)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* National includes previous year's data for all participating States and ITOs.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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Michigan

Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (rank)	Number	% (rank)		Number	% (rank)	Number	% (rank)	
St Clair	417	16.1 (33)	524	6.7 (29)	58	*	416	16.3 (34)	521	8.4 (40)
St Joseph	266	14.7 (31)	330	7.3 (34)	30	*	267	20.2 (44)	332	5.4 (27)
Tuscola	153	22.9 (47)	195	7.7 (39)	33	*	153	16.3 (34)	198	10.6 (49)
Van Buren	320	11.9 (20)	378	7.7 (39)	36	*	320	7.5 (7)	379	2.9 (7)
Washtenaw	699	8.9 (8)	857	4.4 (14)	56	*	696	7.0 (5)	859	2.7 (6)
Wayne	7,693	6.6 (3)	10,647	2.0 (2)	454	57.5 (1)	7,683	8.6 (11)	10,652	3.3 (11)
Wexford	160	18.8 (39)	206	8.7 (45)	28	*	160	19.4 (42)	205	8.3 (39)
Michigan	31,723	10.3	41,470	4.5	3,060	41.6	31,605	11.1	41,446	4.9
National (Prior Year)	40,473	22.0	47,284	6.2	7,409	32.6	39,853	9.6	51,116	5.5

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* National includes previous year's data for all participating States and ITOs.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Comparison of Infant Health Indicators by County

Comparison of Infant Health Indicators (2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Alcona	29	*	*	29	*	24	*	29	*
Alger	21	*	*	21	*	21	*	21	*
Allegan	352	9.7 (32)	6.3 (20)	361	13.6 (33)	301	3.7 (19)	355	83.4 (21)
Alpena	107	2.8 (1)	9.3 (47)	107	11.2 (18)	91	*	107	86.9 (6)
Antrim	64	*	*	64	*	54	*	64	*
Arenac	78	*	*	79	*	67	*	78	*
Baraga	28	*	*	29	*	26	*	28	*
Barry	194	8.8 (21)	6.7 (22)	202	14.4 (40)	167	2.4 (6)	196	85.2 (14)
Bay	388	11.9 (44)	8.8 (42)	398	13.8 (36)	334	5.1 (35)	390	74.4 (45)
Benzie	62	*	*	67	*	54	*	62	*
Berrien	523	9.0 (24)	5.0 (6)	549	11.1 (17)	464	3.0 (12)	526	74.7 (44)
Branch	278	9.0 (24)	6.1 (17)	295	11.9 (23)	239	5.4 (39)	292	76.4 (40)
Calhoun	750	11.1 (38)	8.4 (38)	777	12.4 (26)	654	4.7 (29)	759	79.6 (35)
Cass	222	7.7 (11)	7.7 (34)	221	10.9 (15)	193	3.1 (13)	222	80.2 (33)
Charlevoix	83	*	*	85	*	76	*	85	*
Cheboygan	90	*	*	92	*	76	*	90	*
Chippewa	146	10.3 (33)	4.8 (5)	152	11.8 (22)	128	4.7 (29)	147	85.0 (15)
Clare	135	9.6 (29)	6.7 (22)	139	7.2 (1)	125	8.8 (49)	135	81.5 (30)
Clinton	112	8.9 (22)	8.9 (43)	118	14.4 (40)	97	*	112	86.6 (7)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* National includes previous year's data for all participating States and ITOs.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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Michigan

Comparison of Infant Health Indicators by County

Comparison of Infant Health Indicators (2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Crawford	58	*	*	63	*	51	*	60	*
Delta	144	8.3 (16)	5.6 (11)	149	14.8 (45)	124	3.2 (15)	145	78.6 (38)
Dickinson	89	*	*	90	*	78	*	89	*
Eaton	176	11.4 (41)	6.8 (26)	179	12.8 (28)	154	5.2 (36)	177	86.4 (9)
Emmet	101	12.9 (50)	6.9 (28)	102	15.7 (49)	84	*	101	90.1 (2)
Genesee	2,003	13.5 (52)	5.1 (7)	2,040	13.6 (33)	1,717	7.2 (48)	2,018	65.4 (53)
Gladwin	118	5.9 (3)	5.9 (14)	120	9.2 (6)	107	4.7 (29)	117	83.8 (19)
Gogebic	60	*	*	61	*	57	*	60	*
Gr Travers	298	7.7 (11)	9.1 (46)	301	11.3 (20)	261	4.2 (24)	300	89.7 (3)
Gratiot	167	9.6 (29)	9.0 (44)	169	8.9 (3)	150	5.3 (38)	167	84.4 (18)
Hillsdale	215	11.2 (39)	6.0 (16)	224	16.1 (51)	178	3.9 (22)	217	87.1 (5)
Houghton	144	6.9 (7)	3.5 (1)	150	11.3 (20)	126	0.8 (1)	145	90.3 (1)
Huron	131	5.3 (2)	7.6 (33)	134	11.2 (18)	116	2.6 (8)	132	83.3 (23)
Ingham	1,512	11.8 (43)	6.7 (22)	1,563	13.8 (36)	1,301	4.8 (33)	1,533	83.8 (19)
Ionia	243	12.8 (48)	8.6 (40)	246	15.0 (47)	204	6.4 (44)	244	85.7 (13)
Iosco	107	6.5 (6)	12.1 (54)	110	10.9 (15)	94	*	106	71.7 (48)
Iron	40	*	*	43	*	34	*	41	*
Isabella	299	8.7 (20)	7.0 (30)	305	10.2 (11)	266	4.5 (27)	299	83.3 (23)
Jackson	659	12.6 (46)	5.9 (14)	669	15.7 (49)	553	4.2 (24)	662	81.1 (32)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* National includes previous year's data for all participating States and ITOs.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

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Table 8B

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Michigan

Comparison of Infant Health Indicators by County

Comparison of Infant Health Indicators (2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Kalamazoo	912	11.2 (39)	6.7 (22)	932	12.6 (27)	789	5.2 (36)	921	75.1 (43)
Kalkaska	62	*	*	66	*	53	*	63	*
Kent	2,780	12.0 (45)	5.1 (7)	2,910	14.5 (42)	2,368	4.7 (29)	2,865	79.1 (36)
Lake	55	*	*	53	*	44	*	55	*
Lapeer	302	9.3 (28)	6.6 (21)	314	12.1 (24)	264	4.2 (24)	304	81.3 (31)
Leelanau	20	*	*	23	*	19	*	20	*
Lenawee	307	6.2 (5)	9.4 (48)	306	9.2 (6)	275	2.9 (10)	306	80.1 (34)
Livingston	295	10.8 (35)	6.8 (26)	297	16.5 (53)	244	3.3 (16)	297	85.9 (11)
Luce	35	*	*	36	*	31	*	35	*
Mackinac	24	*	*	24	*	22	*	24	*
Macomb	2,777	11.6 (42)	4.6 (3)	2,820	13.3 (31)	2,381	6.0 (43)	2,807	75.6 (42)
Manistee	75	*	*	75	*	66	*	75	*
Marquette	173	15.0 (54)	5.2 (9)	179	18.4 (54)	141	6.4 (44)	176	87.5 (4)
Mason	92	*	*	96	*	79	*	93	*
Mecosta	191	8.9 (22)	7.3 (32)	195	9.2 (6)	172	6.4 (44)	193	84.5 (17)
Menominee	68	*	*	69	*	60	*	68	*
Midland	246	6.9 (7)	10.2 (50)	259	8.9 (3)	224	4.5 (27)	246	68.3 (50)
Missaukee	50	*	*	51	*	46	*	51	*
Monroe	512	8.2 (15)	7.2 (31)	526	9.7 (10)	457	3.3 (16)	513	71.9 (46)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* National includes previous year's data for all participating States and ITOs.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

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Table 8B

2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Comparison of Infant Health Indicators by County

Comparison of Infant Health Indicators (2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low		High	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Montcalm	277	8.3 (16)	6.9 (28)	287	10.5 (13)	246	3.7 (19)	281	86.1 (10)
Montmorenc	38	*	*	37	*	32	*	38	*
Muskegon	901	11.0 (37)	6.1 (17)	946	15.1 (48)	763	5.8 (42)	912	71.8 (47)
Newaygo	275	6.9 (7)	4.7 (4)	280	13.2 (30)	235	2.1 (5)	278	79.1 (36)
Oakland	2,713	12.8 (48)	5.8 (12)	2,857	13.7 (35)	2,317	5.7 (41)	2,800	76.9 (39)
Oceana	119	10.9 (36)	8.4 (38)	122	9.0 (5)	108	5.6 (40)	120	81.7 (28)
Ogemaw	114	9.6 (29)	9.6 (49)	114	12.3 (25)	97	*	114	71.1 (49)
Ontonagon	16	*	*	15	*	14	*	16	*
Osceola	91	*	*	92	*	77	*	91	*
Oscoda	24	*	*	24	*	24	*	24	*
Otsego	111	8.1 (14)	9.0 (44)	114	7.9 (2)	102	2.9 (10)	111	86.5 (8)
Ottawa	854	10.4 (34)	6.1 (17)	907	14.6 (43)	729	3.6 (18)	891	84.6 (16)
Presque Is	38	*	*	38	*	35	*	38	*
Roscommon	88	*	*	91	*	81	*	88	*
Saginaw	985	12.6 (46)	5.2 (9)	1,000	14.9 (46)	834	4.9 (34)	992	67.4 (51)
Sanilac	135	5.9 (3)	11.1 (52)	137	9.5 (9)	122	2.5 (7)	136	61.0 (54)
Schoolcraf	27	*	*	27	*	23	*	27	*
Shiawassee	323	7.1 (10)	8.0 (37)	330	13.3 (31)	282	2.8 (9)	324	81.8 (27)
St Clair	500	9.2 (27)	7.8 (35)	506	10.5 (13)	445	4.0 (23)	501	75.8 (41)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* National includes previous year's data for all participating States and ITOs.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

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2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Comparison of Infant Health Indicators by County

Comparison of Infant Health Indicators (2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
St Joseph	300	8.3 (16)	10.3 (51)	318	12.9 (29)	258	1.9 (2)	307	83.4 (21)
Tuscola	180	7.8 (13)	7.8 (35)	183	10.4 (12)	159	1.9 (2)	180	81.7 (28)
Van Buren	355	9.0 (24)	8.7 (41)	367	16.1 (51)	294	2.0 (4)	360	81.9 (26)
Washtenaw	799	13.0 (51)	5.8 (12)	820	14.6 (43)	677	3.8 (21)	813	82.7 (25)
Wayne	9,599	13.5 (52)	4.2 (2)	10,215	13.8 (36)	8,203	7.1 (47)	10,004	66.6 (52)
Wexford	190	8.4 (19)	11.1 (52)	193	14.0 (39)	160	3.1 (13)	192	85.9 (11)
Michigan	38,264	11.5	5.9	39,791	13.4	32,907	5.3	39,073	75.2
National (Prior Year)	47,760	11.0	5.8	49,201	13.1	40,792	5.0	48,458	47.2

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* National includes previous year's data for all participating States and ITOs.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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Table 3B

2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾

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Michigan

Comparison of Racial and Ethnic Distribution by County Combined 3 Years

Comparison of Racial and Ethnic Distribution ⁽²⁾								
County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Alcona	122	90.2	0.0	7.4	0.0	0.0	2.5	0.0
Alger	66	*	*	*	*	*	*	*
Allegan	1,312	75.2	1.9	17.2	0.2	0.9	4.0	0.5
Alpena	399	95.5	0.3	2.0	0.0	0.3	2.0	0.0
Antrim	222	90.5	0.9	3.6	0.0	0.9	4.1	0.0
Arenac	258	93.8	1.2	3.1	0.8	0.0	1.2	0.0
Baraga	126	54.8	0.0	6.3	25.4	0.0	13.5	0.0
Barry	631	90.6	0.6	5.4	0.5	1.0	1.9	0.0
Bay	1,365	80.3	2.7	9.2	0.1	0.5	6.8	0.4
Benzie	222	89.2	0.0	6.8	0.5	0.0	3.6	0.0
Berrien	2,063	50.0	31.5	9.8	0.4	1.9	5.3	1.0
Branch	993	77.6	7.0	13.2	0.3	0.3	1.4	0.1
Calhoun	2,651	59.6	19.3	9.7	0.3	4.0	6.4	0.7
Cass	809	58.2	7.5	23.9	0.2	0.6	7.2	2.3
Charlevoix	259	89.6	0.4	2.3	0.0	0.4	7.3	0.0
Cheboygan	327	81.0	3.1	4.9	0.0	0.6	10.4	0.0
Chippewa	519	59.9	1.0	1.7	20.6	1.0	15.6	0.2
Clare	512	91.4	0.8	5.3	0.2	0.4	2.0	0.0
Clinton	378	81.7	1.6	12.7	0.0	1.1	2.6	0.3
Crawford	226	88.9	0.9	4.9	0.0	0.0	4.9	0.4
Delta	519	83.6	0.4	4.4	2.3	0.4	8.7	0.2
Dickinson	334	92.8	0.0	3.6	0.0	0.6	2.4	0.6
Eaton	669	82.1	6.0	7.8	0.0	2.1	2.1	0.0

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

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Table 3B

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Michigan

Comparison of Racial and Ethnic Distribution by County

Combined 3 Years

Comparison of Racial and Ethnic Distribution ⁽²⁾								
County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Emmet	321	85.0	1.6	5.3	1.6	0.9	5.6	0.0
Genesee	7,118	49.5	36.8	6.8	0.1	0.3	6.2	0.3
Gladwin	383	92.7	0.5	2.9	0.0	0.3	3.4	0.3
Gogebic	188	82.4	3.2	2.1	5.9	0.0	5.3	1.1
Gr Travers	1,061	80.0	1.5	10.2	1.8	1.4	4.8	0.3
Gratiot	573	85.5	0.0	10.8	0.2	0.0	3.3	0.2
Hillsdale	685	92.3	0.3	3.8	0.3	0.1	3.1	0.1
Houghton	502	87.1	3.0	1.8	0.4	2.4	5.2	0.2
Huron	428	91.1	0.5	5.8	0.0	0.2	0.9	1.4
Ingham	5,271	41.3	27.9	17.3	0.2	5.8	7.2	0.4
Ionia	822	87.8	0.2	8.3	0.0	0.1	3.3	0.2
Iosco	363	89.3	0.6	4.4	0.0	0.0	5.5	0.3
Iron	175	92.0	0.0	4.0	0.0	0.0	2.3	1.7
Isabella	1,069	78.8	3.9	7.9	3.6	0.5	4.9	0.6
Jackson	2,502	71.1	12.7	7.8	0.2	0.6	7.2	0.4
Kalamazoo	3,341	44.8	34.3	11.4	0.0	1.2	7.7	0.6
Kalkaska	250	92.4	0.4	4.0	0.0	0.0	2.4	0.4
Kent	9,617	30.4	27.4	32.7	0.2	4.3	4.8	0.2
Lake	192	72.9	8.3	8.3	0.0	0.0	9.9	0.5
Lapeer	1,026	83.4	0.8	10.7	0.1	0.5	4.3	0.2
Leelanau	79	*	*	*	*	*	*	*
Lenawee	1,147	72.6	2.2	19.4	0.2	0.5	4.2	1.0
Livingston	994	86.7	1.2	6.3	0.2	1.9	2.7	0.9
Luce	121	81.8	0.0	3.3	5.8	0.0	9.1	0.0

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 3B

2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾

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Michigan

Comparison of Racial and Ethnic Distribution by County

Combined 3 Years

Comparison of Racial and Ethnic Distribution ⁽²⁾								
County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Mackinac	104	53.8	2.9	3.8	1.9	1.0	36.5	0.0
Macomb	9,587	47.3	31.5	5.7	0.1	10.7	4.3	0.3
Manistee	266	83.5	0.8	8.6	1.9	0.0	5.3	0.0
Marquette	632	87.0	1.3	3.2	2.4	0.2	5.2	0.8
Mason	367	79.0	0.8	13.6	0.3	0.3	5.7	0.3
Mecosta	720	85.1	3.6	5.3	0.6	0.4	4.4	0.6
Menominee	257	70.8	1.2	8.6	6.2	0.0	10.5	2.7
Midland	919	86.8	2.4	6.4	0.0	0.9	3.5	0.0
Missaukee	215	89.8	0.5	7.4	0.5	0.0	1.9	0.0
Monroe	1,823	79.8	6.4	8.8	0.0	0.2	3.8	1.0
Montcalm	953	91.1	0.4	6.2	0.0	0.5	1.7	0.1
Montmorenc	120	89.2	0.0	6.7	1.7	0.8	1.7	0.0
Muskegon	3,266	56.9	24.9	11.0	0.4	0.6	6.0	0.2
Newaygo	1,057	75.4	0.7	20.3	0.2	0.4	2.6	0.5
Oakland	10,171	38.1	40.7	14.3	0.1	2.9	3.5	0.3
Oceana	451	53.7	0.7	41.2	0.0	0.0	2.7	1.8
Ogemaw	369	94.0	0.5	1.6	0.0	0.0	3.5	0.3
Ontonagon	56	*	*	*	*	*	*	*
Osceola	401	92.8	0.5	2.7	0.5	0.5	2.7	0.2
Oscoda	113	93.8	0.9	3.5	0.0	0.0	1.8	0.0
Otsego	401	88.8	1.5	4.5	0.2	0.5	4.2	0.2
Ottawa	3,058	52.2	4.4	36.5	0.1	2.8	3.2	0.8
Presque Is	111	93.7	0.9	2.7	0.0	0.0	2.7	0.0
Roscommon	312	94.9	0.0	2.2	0.0	0.0	2.9	0.0

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 3B

2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾

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Michigan

Comparison of Racial and Ethnic Distribution by County

Combined 3 Years

Comparison of Racial and Ethnic Distribution ⁽²⁾								
County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Saginaw	3,412	41.8	32.6	16.5	0.3	0.6	7.9	0.2
Sanilac	487	91.4	0.0	6.8	0.0	0.0	1.6	0.2
Schoolcraf	113	72.6	0.0	3.5	10.6	1.8	11.5	0.0
Shiawassee	1,081	91.6	0.3	4.7	0.0	0.1	2.9	0.5
St Clair	1,757	78.9	5.3	7.3	0.1	0.5	7.5	0.4
St Joseph	1,148	69.3	0.4	23.7	0.0	0.2	5.7	0.7
Tuscola	711	93.2	0.4	4.8	0.0	0.1	0.7	0.7
Van Buren	1,269	58.7	3.4	31.8	0.0	0.2	4.3	1.6
Washtenaw	3,101	37.2	35.3	15.8	0.1	3.8	7.2	0.6
Wayne	36,110	30.5	51.6	11.8	0.1	3.2	2.6	0.3
Wexford	646	89.6	0.9	5.3	0.0	0.2	3.6	0.5
Michigan	138,955	50.8	28.2	13.0	0.4	2.8	4.4	0.4

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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Table 4B

2022 - 2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Comparison of Age Distribution by County

Combined 3 Years

Comparison of Age Distribution (2)								
County	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Alcona	122	0.0	1.6	10.7	57.4	28.7	1.6	0.0
Alger	66	*	*	*	*	*	*	*
Allegan	1,312	0.0	1.4	6.3	58.6	30.6	1.9	1.2
Alpena	399	0.0	1.0	6.8	60.9	30.3	1.0	0.0
Antrim	222	0.0	1.8	9.0	61.7	26.1	0.5	0.9
Arenac	258	0.0	1.6	8.5	62.4	22.9	1.9	2.7
Baraga	126	0.0	0.8	7.1	58.7	30.2	2.4	0.8
Barry	631	0.0	1.9	6.5	64.7	23.3	1.4	2.2
Bay	1,365	0.1	2.6	8.5	59.9	26.8	1.1	1.0
Benzie	222	0.9	0.9	4.5	58.6	30.2	3.2	1.8
Berrien	2,063	0.1	1.8	7.7	59.5	26.5	1.9	2.4
Branch	993	0.0	1.5	5.9	61.0	26.1	4.1	1.3
Calhoun	2,651	0.0	2.0	6.3	59.6	27.6	2.0	2.4
Cass	809	0.0	1.5	5.9	60.9	27.4	1.6	2.6
Charlevoix	259	0.0	0.4	4.6	62.5	27.8	2.7	1.9
Cheboygan	327	0.0	1.5	6.1	62.1	29.1	0.3	0.9
Chippewa	519	0.2	1.0	4.6	62.2	28.3	1.2	2.5
Clare	512	0.2	1.4	6.4	63.9	24.6	1.2	2.3
Clinton	378	0.0	1.9	4.8	60.1	31.5	1.1	0.8
Crawford	226	0.0	0.9	10.2	57.1	26.5	4.9	0.4
Delta	519	0.0	0.8	5.8	61.1	28.7	3.5	0.2
Dickinson	334	0.3	0.9	4.5	59.9	32.0	1.5	0.9
Eaton	669	0.0	1.6	7.6	55.3	31.7	2.1	1.6
Emmet	321	0.0	0.3	6.9	56.1	34.3	2.2	0.3

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 4/14/2025

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Michigan

Comparison of Age Distribution by County

Combined 3 Years

Comparison of Age Distribution (2)								
County	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Genesee	7,118	0.1	2.0	6.5	60.8	28.1	1.6	0.9
Gladwin	383	0.0	1.3	4.4	62.9	26.1	1.0	4.2
Gogebic	188	0.0	0.0	5.3	58.5	35.1	1.1	0.0
Gr Travers	1,061	0.1	1.6	5.2	56.9	32.7	2.5	0.9
Gratiot	573	0.0	1.7	6.6	61.8	26.4	2.6	0.9
Hillsdale	685	0.3	2.6	7.2	63.2	21.0	2.3	3.4
Houghton	502	0.0	0.8	7.2	59.0	29.7	2.4	1.0
Huron	428	0.0	0.5	4.7	60.7	31.3	1.4	1.4
Ingham	5,271	0.1	1.8	5.1	58.1	31.1	2.2	1.5
Ionia	822	0.1	2.2	7.7	60.0	27.0	1.5	1.6
Iosco	363	0.0	0.8	8.3	59.0	26.7	3.0	2.2
Iron	175	0.0	3.4	5.1	60.6	29.1	1.1	0.6
Isabella	1,069	0.1	1.6	6.4	64.3	24.4	1.9	1.4
Jackson	2,502	0.1	2.2	6.4	59.4	26.8	1.2	3.9
Kalamazoo	3,341	0.1	2.0	6.8	58.3	28.3	2.6	1.9
Kalkaska	250	0.0	2.4	8.0	58.4	26.0	2.0	3.2
Kent	9,617	0.1	1.7	5.1	55.6	32.7	3.0	1.7
Lake	192	0.5	1.0	5.7	55.7	30.7	1.6	4.7
Lapeer	1,026	0.0	1.0	4.9	59.3	30.8	1.9	2.1
Leelanau	79	*	*	*	*	*	*	*
Lenawee	1,147	0.1	1.3	5.5	62.9	27.1	1.4	1.7
Livingston	994	0.0	1.2	4.9	56.8	34.3	2.1	0.6
Luce	121	0.0	0.8	8.3	55.4	30.6	2.5	2.5
Mackinac	104	0.0	1.9	2.9	57.7	35.6	1.9	0.0

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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Table 4B

2022 - 2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Comparison of Age Distribution by County

Combined 3 Years

Comparison of Age Distribution (2)								
County	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Macomb	9,587	0.0	0.8	3.1	54.4	38.6	2.5	0.6
Manistee	266	0.0	0.8	9.0	57.5	26.3	1.5	4.9
Marquette	632	0.2	0.9	5.4	60.8	30.4	2.1	0.3
Mason	367	0.0	0.5	7.1	61.0	27.8	0.8	2.7
Mecosta	720	0.0	2.1	7.6	62.4	25.1	2.2	0.6
Menominee	257	0.4	2.3	8.9	61.5	24.9	1.2	0.8
Midland	919	0.0	0.9	4.8	62.1	30.1	1.6	0.4
Missaukee	215	0.0	1.4	5.6	59.1	29.3	1.9	2.8
Monroe	1,823	0.0	1.1	6.1	62.9	27.2	1.4	1.4
Montcalm	953	0.0	1.7	7.6	63.6	24.3	1.0	1.8
Montmorenc	120	0.0	2.5	8.3	62.5	25.0	1.7	0.0
Muskegon	3,266	0.1	1.9	5.5	61.4	26.5	1.8	2.8
Newaygo	1,057	0.1	1.4	4.9	62.7	26.3	2.1	2.5
Oakland	10,171	0.1	1.0	4.2	53.9	37.0	3.0	0.9
Oceana	451	0.0	1.8	6.9	55.9	27.7	3.1	4.7
Ogemaw	369	0.3	2.2	6.8	62.1	26.3	1.1	1.4
Ontonagon	56	*	*	*	*	*	*	*
Osceola	401	0.0	1.5	5.0	67.6	22.4	0.7	2.7
Oscoda	113	0.0	3.5	6.2	57.5	31.0	0.0	1.8
Otsego	401	0.0	0.7	6.2	65.6	23.4	2.0	2.0
Ottawa	3,058	0.1	1.4	5.9	57.2	32.8	1.9	0.7
Presque Is	111	0.0	0.9	5.4	64.0	26.1	0.9	2.7
Roscommon	312	0.0	1.9	4.2	63.1	26.9	1.0	2.9
Saginaw	3,412	0.2	1.5	5.9	58.5	29.5	2.0	2.5

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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2022 - 2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Comparison of Age Distribution by County

Combined 3 Years

Comparison of Age Distribution (2)								
County	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Sanilac	487	0.0	2.1	6.0	63.9	25.7	1.4	1.0
Schoolcraf	113	0.0	2.7	2.7	63.7	30.1	0.9	0.0
Shiawassee	1,081	0.1	1.9	5.4	63.0	27.4	1.6	0.6
St Clair	1,757	0.1	1.5	6.7	60.6	27.5	1.5	2.1
St Joseph	1,148	0.0	2.2	6.5	60.1	25.8	2.0	3.4
Tuscola	711	0.0	1.3	5.8	64.0	24.3	2.0	2.7
Van Buren	1,269	0.1	2.4	6.1	58.0	28.4	2.6	2.4
Washtenaw	3,101	0.1	1.4	4.8	53.1	36.1	3.7	0.8
Wayne	36,110	0.1	1.6	4.7	54.2	35.4	3.1	1.0
Wexford	646	0.0	1.5	6.3	60.4	27.1	2.2	2.5
Michigan	138,955	0.1	1.5	5.3	57.3	31.9	2.4	1.4

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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Table 5B

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Michigan

Comparison of Maternal Health Indicators by County

Combined 3 Years

Comparison of Maternal Health Indicators ^(2,3)														
County	Prepregnancy BMI (4)			Weight Gain (5)			Anemia (Low Hb/Hct) (6)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Alcona	96	*	*	52	*	*	13	*	20	*	111	11.7 (69)	111	17.1 (60)
Alger	41	*	*	14	*	*	7	*	24	*	61	*	61	*
Allegan	884	4.3 (27)	64.7 (60)	465	20.0 (51)	52.9 (20)	178	23.0 (4)	377	25.2 (24)	1,214	10.0 (42)	1,216	12.7 (25)
Alpena	360	5.0 (42)	56.9 (11)	151	20.5 (53)	52.3 (14)	43	*	56	*	361	8.6 (23)	363	18.2 (66)
Antrim	140	4.3 (27)	52.1 (1)	26	*	*	36	*	44	*	208	6.3 (4)	208	11.5 (11)
Arenac	218	4.1 (22)	66.5 (67)	156	21.2 (55)	51.3 (10)	34	*	38	*	250	9.6 (37)	250	16.0 (53)
Baraga	95	*	*	42	*	*	7	*	13	*	113	11.5 (68)	113	15.9 (52)
Barry	398	6.3 (66)	59.8 (19)	149	16.8 (25)	59.7 (58)	47	*	110	17.3 (9)	597	10.2 (50)	597	19.1 (71)
Bay	1,031	5.9 (59)	59.8 (19)	580	16.2 (22)	55.7 (40)	100	27.0 (6)	233	25.8 (28)	1,282	9.0 (26)	1,284	15.1 (45)
Benzie	194	5.7 (55)	55.2 (5)	123	15.4 (15)	50.4 (7)	16	*	50	*	209	5.3 (1)	209	15.8 (51)
Berrien	1,717	5.3 (50)	61.9 (40)	1,037	19.3 (43)	51.9 (12)	199	36.7 (17)	419	21.7 (15)	1,816	8.8 (24)	1,820	17.3 (61)
Branch	437	5.3 (50)	61.3 (33)	149	19.5 (47)	50.3 (5)	133	45.1 (23)	170	34.7 (39)	930	8.5 (22)	930	8.9 (2)
Calhoun	2,320	4.3 (27)	62.2 (44)	1,654	17.8 (31)	55.4 (37)	199	31.2 (11)	211	21.8 (16)	2,424	7.4 (11)	2,425	12.2 (17)
Cass	685	4.8 (36)	64.4 (58)	474	19.0 (39)	54.4 (28)	119	22.7 (3)	128	22.7 (18)	736	12.0 (71)	735	15.0 (44)
Charlevoix	188	3.7 (9)	56.4 (8)	37	*	*	40	*	67	*	249	7.2 (8)	249	14.9 (42)
Cheboygan	259	4.2 (23)	60.6 (26)	39	*	*	38	*	63	*	299	10.0 (42)	299	11.4 (10)
Chippewa	454	3.1 (5)	61.2 (31)	290	17.9 (32)	55.2 (36)	46	*	119	28.6 (34)	464	11.2 (62)	464	11.6 (14)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

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Michigan

Comparison of Maternal Health Indicators by County

Combined 3 Years

Comparison of Maternal Health Indicators (2,3)														
County	Prepregnancy BMI (4)			Weight Gain (5)			Anemia (Low Hb/Hct) (6)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Clare	382	5.8 (57)	59.4 (18)	85	*	*	46	*	99	*	470	11.3 (66)	470	15.1 (45)
Clinton	328	4.3 (27)	66.8 (69)	214	12.6 (3)	58.9 (55)	29	*	64	*	353	10.5 (54)	354	11.3 (8)
Crawford	202	4.0 (17)	64.4 (58)	149	22.1 (57)	50.3 (5)	10	*	41	*	210	8.1 (16)	209	12.4 (19)
Delta	486	3.1 (5)	62.3 (46)	338	22.8 (58)	49.7 (4)	69	*	120	17.5 (10)	483	10.4 (53)	485	17.5 (62)
Dickinson	277	5.8 (57)	65.3 (64)	184	16.8 (25)	56.0 (43)	7	*	22	*	301	6.0 (2)	301	13.3 (29)
Eaton	397	4.0 (17)	61.7 (37)	94	*	*	31	*	82	*	612	12.6 (74)	613	16.2 (55)
Emmet	290	2.1 (1)	59.3 (17)	118	18.6 (37)	58.5 (50)	51	*	63	*	308	8.1 (16)	308	12.3 (18)
Genesee	5,130	5.0 (42)	60.8 (30)	2,287	19.9 (50)	52.6 (17)	492	43.7 (22)	902	29.6 (36)	6,525	10.1 (49)	6,531	17.0 (59)
Gladwin	342	5.6 (54)	62.0 (41)	196	15.8 (19)	54.6 (32)	47	*	59	*	362	10.2 (50)	363	18.5 (68)
Gogebic	138	4.3 (27)	57.2 (12)	60	*	*	15	*	41	*	166	7.2 (8)	166	9.0 (3)
Gr Travers	824	4.7 (34)	56.8 (10)	541	15.5 (16)	53.6 (24)	81	*	142	25.4 (25)	960	7.4 (11)	965	13.5 (32)
Gratiot	512	2.5 (2)	66.2 (66)	311	21.2 (55)	53.4 (22)	37	*	105	8.6 (1)	526	12.0 (71)	526	10.8 (6)
Hillsdale	618	4.4 (32)	60.2 (22)	462	15.2 (14)	57.1 (47)	71	*	124	22.6 (17)	637	12.6 (74)	637	12.4 (19)
Houghton	356	4.8 (36)	55.1 (4)	196	14.3 (8)	48.0 (3)	36	*	99	*	449	10.0 (42)	447	16.3 (57)
Huron	349	4.9 (40)	66.8 (69)	192	18.2 (36)	55.7 (40)	55	*	102	23.5 (21)	410	10.0 (42)	410	17.6 (63)
Ingham	4,320	3.8 (10)	60.4 (23)	2,527	15.8 (19)	55.7 (40)	414	32.9 (12)	443	20.5 (14)	4,993	7.1 (7)	4,998	12.6 (23)
Ionia	673	5.2 (46)	61.5 (36)	499	19.2 (42)	53.5 (23)	100	17.0 (1)	185	10.8 (2)	769	10.7 (58)	769	17.9 (65)

(1) Reporting period is January 1 through December 31.

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(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

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Michigan

Comparison of Maternal Health Indicators by County

Combined 3 Years

Comparison of Maternal Health Indicators (2,3)														
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(4)		(5)	(6)										
	Under- weight	Over- weight		< Ideal	> Ideal		3rd Trimester	Postpartum						
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Iosco	263	7.6 (72)	63.1 (52)	96	*	*	34	*	62	*	335	8.1 (16)	335	13.1 (28)
Iron	93	*	*	24	*	*	3	*	9	*	154	9.7 (38)	153	11.1 (7)
Isabella	824	3.4 (7)	64.8 (61)	488	13.9 (7)	58.8 (53)	104	23.1 (5)	205	19.5 (13)	990	12.4 (73)	992	18.5 (68)
Jackson	2,066	5.2 (46)	60.5 (25)	1,345	16.1 (21)	56.4 (44)	134	30.6 (10)	228	26.8 (29)	2,303	10.2 (50)	2,304	14.8 (41)
Kalamazoo	2,580	4.8 (36)	60.6 (26)	1,295	13.7 (6)	58.8 (53)	198	37.9 (19)	419	23.2 (20)	3,046	9.1 (28)	3,046	14.1 (36)
Kalkaska	225	6.2 (63)	56.0 (7)	168	14.3 (8)	54.2 (26)	21	*	44	*	225	6.2 (3)	225	12.4 (19)
Kent	5,205	3.9 (15)	60.4 (23)	2,058	25.4 (59)	45.5 (2)	1,455	34.2 (13)	2,829	24.1 (22)	8,991	9.8 (40)	9,004	19.3 (72)
Lake	176	6.8 (70)	59.1 (16)	125	14.4 (10)	60.0 (59)	12	*	25	*	172	10.5 (54)	172	23.8 (77)
Lapeer	895	5.1 (45)	61.3 (33)	678	17.6 (30)	54.4 (28)	75	*	149	24.2 (23)	975	7.6 (13)	976	11.3 (8)
Leelanau	48	*	*	26	*	*	9	*	9	*	69	*	69	*
Lenawee	936	4.7 (34)	61.2 (31)	563	13.5 (5)	55.4 (37)	84	*	211	27.0 (31)	1,024	9.8 (40)	1,023	16.2 (55)
Livingston	809	6.2 (63)	56.5 (9)	468	19.0 (39)	54.3 (27)	69	*	201	11.9 (3)	926	10.6 (57)	928	22.7 (75)
Luce	95	*	*	41	*	*	13	*	34	*	110	7.3 (10)	110	15.5 (50)
Mackinac	91	*	*	66	*	*	4	*	16	*	92	*	92	*
Macomb	8,789	3.6 (8)	62.5 (48)	7,065	18.0 (33)	51.0 (9)	790	37.5 (18)	2,391	28.0 (33)	9,018	11.0 (61)	9,022	13.7 (34)
Manistee	224	6.3 (66)	62.9 (51)	150	14.7 (11)	58.7 (52)	16	*	40	*	243	9.5 (35)	242	14.9 (42)
Marquette	513	6.0 (60)	54.0 (2)	331	19.0 (39)	57.4 (48)	24	*	86	*	577	9.0 (26)	578	14.7 (40)

(1) Reporting period is January 1 through December 31.

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(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

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2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾

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Michigan

Comparison of Maternal Health Indicators by County

Combined 3 Years

Comparison of Maternal Health Indicators (2,3)														
County	Prepregnancy BMI (4)			Weight Gain (5)			Anemia (Low Hb/Hct) (6)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Mason	340	2.6 (3)	67.9 (72)	256	18.0 (33)	52.7 (19)	20	*	55	*	345	10.7 (58)	346	18.5 (68)
Mecosta	526	4.8 (36)	62.2 (44)	162	14.8 (12)	56.8 (45)	20	*	66	*	667	10.8 (60)	668	25.1 (78)
Menominee	240	3.8 (10)	66.7 (68)	183	17.5 (28)	59.6 (56)	33	*	65	*	220	9.1 (28)	220	18.2 (66)
Midland	718	4.0 (17)	64.8 (61)	292	9.9 (2)	59.6 (56)	74	*	156	28.8 (35)	871	10.0 (42)	870	15.4 (49)
Missaukee	201	5.5 (53)	60.7 (29)	144	18.1 (35)	56.9 (46)	14	*	39	*	201	7.0 (6)	201	12.4 (19)
Monroe	1,704	5.2 (46)	65.5 (65)	1,300	19.4 (44)	54.4 (28)	143	29.4 (8)	259	17.0 (8)	1,666	9.5 (35)	1,668	19.5 (73)
Montcalm	829	4.0 (17)	62.7 (50)	585	13.2 (4)	58.5 (50)	53	*	188	12.2 (4)	895	11.2 (62)	896	16.3 (57)
Montmorenc	106	6.6 (68)	64.2 (56)	57	*	*	13	*	16	*	111	13.5 (77)	111	14.4 (38)
Muskegon	2,738	4.2 (23)	64.2 (56)	1,861	17.5 (28)	54.0 (25)	180	41.1 (21)	120	30.8 (37)	3,024	9.7 (38)	3,015	20.3 (74)
Newaygo	927	3.8 (10)	63.4 (53)	641	19.5 (47)	52.4 (16)	45	*	137	16.1 (7)	977	11.2 (62)	978	22.9 (76)
Oakland	8,564	4.2 (23)	60.6 (26)	5,256	16.7 (23)	53.0 (21)	821	45.1 (23)	1,690	30.9 (38)	9,317	7.8 (15)	9,322	13.7 (34)
Oceana	346	3.8 (10)	67.3 (71)	258	20.5 (53)	55.0 (34)	44	*	63	*	407	13.0 (76)	407	11.5 (11)
Ogemaw	281	5.7 (55)	62.6 (49)	121	9.1 (1)	64.5 (60)	43	*	68	*	354	11.3 (66)	354	16.1 (54)
Ontonagon	48	*	*	32	*	*	9	*	8	*	48	*	48	*
Osceola	227	6.2 (63)	55.5 (6)	133	19.5 (47)	52.6 (17)	21	*	93	*	375	9.3 (31)	375	17.6 (63)
Oscoda	80	*	*	24	*	*	11	*	26	*	102	6.9 (5)	102	9.8 (4)
Otsego	301	2.7 (4)	58.1 (14)	46	*	*	58	*	96	*	371	8.4 (20)	371	12.1 (16)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 5B

2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾

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Michigan

Comparison of Maternal Health Indicators by County

Combined 3 Years

Comparison of Maternal Health Indicators (2,3)														
County	Prepregnancy BMI (4)			Weight Gain (5)			Anemia (Low Hb/Hct) (6)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Ottawa	1,364	7.1 (71)	54.6 (3)	325	15.7 (18)	52.0 (13)	387	30.2 (9)	746	19.4 (12)	2,812	9.4 (34)	2,814	10.4 (5)
Presque Is	78	*	*	11	*	*	12	*	19	*	100	10.0 (42)	100	13.0 (26)
Roscommon	290	6.6 (68)	57.9 (13)	48	*	*	23	*	30	*	292	9.2 (30)	293	13.3 (29)
Saginaw	2,636	3.8 (10)	64.8 (61)	1,722	19.4 (44)	51.6 (11)	237	35.0 (14)	339	25.4 (25)	3,208	9.3 (31)	3,211	13.5 (32)
Sanilac	213	6.1 (62)	60.1 (21)	26	*	*	33	*	97	*	445	8.8 (24)	445	11.5 (11)
Schoolcraf	112	5.4 (52)	63.4 (53)	86	*	*	15	*	26	*	109	14.7 (78)	109	8.3 (1)
Shiawassee	879	5.0 (42)	62.0 (41)	640	19.4 (44)	52.3 (14)	67	*	138	25.4 (25)	1,001	7.6 (13)	1,002	11.8 (15)
St Clair	1,635	4.2 (23)	62.4 (47)	1,292	15.6 (17)	57.4 (48)	147	36.1 (15)	407	26.8 (29)	1,578	10.5 (54)	1,580	15.1 (45)
St Joseph	932	6.0 (60)	61.4 (35)	419	14.8 (12)	55.4 (37)	123	18.7 (2)	206	14.6 (5)	1,044	10.0 (42)	1,044	13.4 (31)
Tuscola	508	4.9 (40)	62.0 (41)	262	16.8 (25)	55.0 (34)	50	*	96	*	669	11.2 (62)	670	14.6 (39)
Van Buren	1,009	3.9 (15)	63.7 (55)	303	33.0 (60)	39.9 (1)	204	27.5 (7)	260	15.8 (6)	1,145	11.8 (70)	1,148	14.1 (36)
Washtenaw	2,372	4.5 (33)	61.8 (38)	1,462	20.2 (52)	50.4 (7)	394	38.3 (20)	705	22.8 (19)	2,784	9.3 (31)	2,784	15.3 (48)
Wayne	26,218	4.0 (17)	61.8 (38)	15,936	16.7 (23)	54.4 (28)	2,664	36.4 (16)	5,249	27.1 (32)	33,582	8.4 (20)	33,593	13.0 (26)
Wexford	578	5.2 (46)	58.8 (15)	423	18.9 (38)	54.8 (33)	43	*	120	17.5 (10)	603	8.1 (16)	603	12.6 (23)
Michigan	106,070	4.3	61.6	63,239	17.6	53.7	11,903	34.3	23,406	24.6	128,518	9.2	128,592	14.6

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(5) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 6B

2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾

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Michigan

Comparison of Maternal Behavioral Indicators by County Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy ⁽⁴⁾		During Pregnancy ⁽⁵⁾	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Alcona	105	90.5 (63)	1.0 (65)	118	30.5 (53)	122	32.0 (27)	89	*
Alger	60	*	*	66	*	66	*	47	*
Allegan	1,121	91.7 (52)	0.4 (27)	1,289	29.0 (66)	1,271	29.9 (35)	903	91.1 (30)
Alpena	333	95.5 (17)	0.0 (1)	381	24.4 (76)	389	29.3 (38)	269	94.8 (5)
Antrim	194	92.8 (37)	0.5 (37)	216	32.4 (43)	222	32.0 (27)	173	89.6 (42)
Arenac	228	96.5 (4)	0.4 (27)	251	39.4 (13)	255	27.1 (44)	203	87.2 (65)
Baraga	101	92.1 (49)	0.0 (1)	122	34.4 (34)	124	31.5 (32)	99	*
Barry	574	95.8 (12)	0.0 (1)	620	30.2 (54)	624	34.6 (22)	453	94.0 (9)
Bay	1,149	92.6 (42)	0.7 (48)	1,349	36.8 (20)	1,352	25.5 (52)	1,060	89.6 (42)
Benzie	196	88.8 (71)	1.5 (72)	221	32.6 (42)	219	37.0 (15)	161	91.9 (23)
Berrien	1,615	86.3 (75)	0.7 (48)	2,034	28.6 (68)	1,817	22.6 (66)	1,398	91.3 (28)
Branch	871	93.8 (26)	0.1 (15)	970	27.5 (71)	979	38.9 (11)	724	89.6 (42)
Calhoun	2,363	96.5 (4)	0.3 (19)	2,593	33.5 (37)	2,421	32.2 (25)	1,978	88.6 (53)
Cass	692	98.1 (1)	0.0 (1)	789	34.7 (33)	774	22.0 (67)	594	83.0 (70)
Charlevoix	233	91.8 (50)	0.9 (63)	254	21.3 (78)	257	39.7 (7)	175	92.6 (18)
Cheboygan	272	89.3 (70)	1.1 (68)	324	29.6 (59)	326	31.9 (29)	259	95.4 (2)
Chippewa	456	97.4 (2)	0.4 (27)	510	37.6 (18)	505	60.6 (2)	394	93.7 (11)
Clare	440	91.4 (54)	0.7 (48)	502	38.4 (15)	463	26.8 (45)	403	88.3 (58)
Clinton	324	94.1 (24)	0.0 (1)	373	31.9 (44)	311	43.4 (6)	278	92.8 (16)
Crawford	197	94.9 (20)	1.5 (72)	220	44.1 (3)	223	29.1 (40)	178	87.1 (66)
Delta	479	92.7 (40)	0.2 (16)	512	33.6 (35)	511	29.2 (39)	386	94.0 (9)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 6B

2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾

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Michigan

Comparison of Maternal Behavioral Indicators by County Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy ⁽⁴⁾		During Pregnancy ⁽⁵⁾	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Dickinson	280	96.4 (7)	0.4 (27)	326	38.0 (17)	326	32.2 (25)	266	95.1 (3)
Eaton	599	92.7 (40)	0.8 (59)	661	31.0 (51)	662	26.6 (47)	476	93.7 (11)
Emmet	300	93.0 (34)	0.3 (19)	311	30.2 (54)	317	38.5 (14)	241	92.9 (15)
Genesee	5,969	89.4 (69)	0.5 (37)	6,983	26.4 (72)	6,217	17.5 (77)	5,116	89.4 (45)
Gladwin	308	94.5 (22)	1.3 (71)	379	43.5 (5)	377	35.8 (19)	321	86.9 (67)
Gogebic	164	95.7 (14)	0.0 (1)	186	32.8 (41)	181	39.2 (10)	133	95.5 (1)
Gr Travers	867	92.4 (43)	0.8 (59)	1,034	31.2 (50)	1,032	29.9 (35)	751	88.5 (56)
Gratiot	497	94.4 (23)	0.4 (27)	565	36.3 (22)	516	55.6 (3)	446	94.4 (7)
Hillsdale	623	95.7 (14)	0.5 (37)	665	30.1 (56)	675	39.6 (8)	487	90.8 (35)
Houghton	397	93.5 (29)	0.5 (37)	495	31.3 (49)	488	38.9 (11)	368	89.7 (40)
Huron	350	94.0 (25)	0.9 (63)	420	25.0 (74)	419	39.4 (9)	301	91.0 (34)
Ingham	4,229	90.4 (64)	0.7 (48)	5,192	29.1 (62)	5,121	14.8 (78)	3,893	88.8 (51)
Ionia	737	95.1 (18)	0.0 (1)	808	29.7 (58)	811	23.2 (63)	580	94.3 (8)
Iosco	311	91.3 (55)	0.3 (19)	352	31.8 (45)	358	24.3 (58)	281	91.1 (30)
Iron	143	96.5 (4)	0.7 (48)	170	47.1 (2)	158	62.7 (1)	141	90.8 (35)
Isabella	909	92.8 (37)	0.6 (44)	1,045	35.9 (27)	1,031	31.4 (33)	824	91.3 (28)
Jackson	2,083	92.2 (46)	0.5 (37)	2,470	36.3 (22)	2,479	22.9 (65)	1,908	89.0 (50)
Kalamazoo	2,781	91.3 (55)	0.4 (27)	3,280	31.8 (45)	3,258	20.3 (71)	2,412	87.3 (63)
Kalkaska	198	92.4 (43)	1.0 (65)	247	33.2 (38)	243	28.0 (41)	198	82.8 (71)
Kent	8,104	89.9 (66)	0.7 (48)	9,445	25.7 (73)	7,804	21.1 (70)	7,081	88.4 (57)
Lake	154	88.3 (73)	0.0 (1)	186	40.9 (8)	187	23.0 (64)	148	87.8 (61)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 6B

2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾

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Michigan

Comparison of Maternal Behavioral Indicators by County

Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy ⁽⁴⁾		During Pregnancy ⁽⁵⁾	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Lapeer	860	92.4 (43)	0.7 (48)	999	32.9 (40)	1,017	25.8 (49)	743	91.7 (27)
Leelanau	67	*	*	77	*	75	*	54	*
Lenawee	960	92.8 (37)	0.2 (16)	1,122	29.1 (62)	1,121	18.4 (74)	802	91.9 (23)
Livingston	842	93.5 (29)	0.8 (59)	968	30.7 (52)	976	36.5 (17)	695	91.8 (26)
Luce	91	*	*	117	40.2 (10)	121	25.6 (51)	94	*
Mackinac	93	*	*	103	42.7 (6)	101	51.5 (4)	77	*
Macomb	8,572	93.4 (31)	0.5 (37)	9,338	23.2 (77)	8,049	14.5 (79)	6,449	94.5 (6)
Manistee	224	90.2 (65)	1.8 (75)	257	36.2 (24)	261	36.4 (18)	204	88.2 (59)
Marquette	503	95.6 (16)	0.6 (44)	614	36.2 (24)	557	32.7 (24)	466	92.1 (19)
Mason	293	91.8 (50)	0.7 (48)	356	36.0 (26)	360	27.2 (43)	272	89.7 (40)
Mecosta	619	95.8 (12)	0.2 (16)	708	52.5 (1)	693	23.8 (60)	571	89.1 (47)
Menominee	207	94.7 (21)	0.0 (1)	253	33.6 (35)	203	35.5 (20)	177	92.1 (19)
Midland	820	95.9 (10)	0.6 (44)	909	29.0 (66)	913	25.3 (54)	665	91.9 (23)
Missaukee	178	91.6 (53)	1.1 (68)	209	33.0 (39)	212	30.2 (34)	164	92.7 (17)
Monroe	1,553	92.9 (35)	0.7 (48)	1,799	29.5 (60)	1,547	31.9 (29)	1,291	92.1 (19)
Montcalm	824	95.0 (19)	0.0 (1)	936	28.0 (69)	872	46.1 (5)	674	95.1 (3)
Montmorenc	103	92.2 (46)	0.0 (1)	115	37.4 (19)	116	33.6 (23)	92	*
Muskegon	2,819	92.2 (46)	0.4 (27)	3,208	31.7 (48)	3,108	25.5 (52)	2,349	93.6 (13)
Newaygo	743	86.9 (74)	1.5 (72)	1,034	43.8 (4)	1,005	25.7 (50)	808	87.3 (63)
Oakland	8,756	93.3 (32)	0.4 (27)	9,946	24.8 (75)	9,385	23.3 (62)	6,944	89.4 (45)
Oceana	307	90.9 (62)	1.0 (65)	441	38.5 (14)	431	26.7 (46)	339	86.4 (68)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 6B

2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾

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Michigan

Comparison of Maternal Behavioral Indicators by County Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy ⁽⁴⁾		During Pregnancy ⁽⁵⁾	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Ogemaw	339	93.8 (26)	0.3 (19)	360	35.6 (28)	365	23.6 (61)	280	93.2 (14)
Ontonagon	44	*	*	55	*	55	*	51	*
Osceola	307	91.2 (60)	0.7 (48)	397	42.1 (7)	396	17.7 (76)	315	92.1 (19)
Oscoda	98	*	*	111	39.6 (12)	113	31.9 (29)	90	*
Otsego	358	96.1 (9)	0.0 (1)	396	29.5 (60)	377	36.9 (16)	299	88.0 (60)
Ottawa	2,706	96.4 (7)	0.3 (19)	3,001	29.1 (62)	2,910	25.1 (56)	2,036	91.1 (30)
Presque Is	99	*	*	110	31.8 (45)	110	35.5 (20)	90	*
Roscommon	282	92.9 (35)	0.4 (27)	307	38.4 (15)	292	38.7 (13)	250	88.8 (51)
Saginaw	2,975	91.3 (55)	0.3 (19)	3,365	35.3 (29)	3,364	19.9 (73)	2,641	89.1 (47)
Sanilac	426	96.7 (3)	0.0 (1)	482	35.3 (29)	484	20.2 (72)	372	90.1 (37)
Schoolcraf	103	91.3 (55)	0.0 (1)	112	40.2 (10)	113	26.5 (48)	89	*
Shiawassee	913	95.9 (10)	0.5 (37)	1,061	36.6 (21)	526	27.6 (42)	795	85.7 (69)
St Clair	1,236	89.6 (68)	1.1 (68)	1,723	40.4 (9)	1,737	25.2 (55)	1,335	90.0 (38)
St Joseph	828	88.6 (72)	0.8 (59)	1,113	34.9 (31)	1,119	21.6 (68)	849	87.8 (61)
Tuscola	600	93.7 (28)	0.3 (19)	694	34.9 (31)	700	23.9 (59)	527	88.6 (53)
Van Buren	933	91.3 (55)	0.4 (27)	1,252	29.1 (62)	1,218	25.0 (57)	927	89.1 (47)
Washtenaw	2,636	93.1 (33)	0.3 (19)	3,044	27.6 (70)	3,016	21.6 (68)	2,273	89.8 (39)
Wayne	32,185	89.8 (67)	0.6 (44)	35,453	20.6 (79)	31,187	18.3 (75)	24,524	88.6 (53)
Wexford	564	91.1 (61)	0.7 (48)	622	29.9 (57)	635	29.6 (37)	463	91.1 (30)
Michigan	119,166	91.7	0.5	136,281	27.5	125,882	22.8	98,807	89.8

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 7B

2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾ Michigan Comparison of Smoking Indicators by County Combined 3 Years

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Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (rank)	Number	% (rank)		Number	% (rank)	Number	% (rank)	
Alcona	88	*	103	16.5 (65)	24	*	89	*	111	6.3 (30)
Alger	47	*	59	*	18	*	47	*	63	*
Allegan	895	16.9 (17)	1,207	8.0 (22)	149	36.2 (27)	904	12.3 (32)	1,219	7.6 (44)
Alpena	264	28.8 (56)	352	13.9 (59)	72	*	269	14.9 (46)	361	6.6 (34)
Antrim	173	34.1 (68)	204	16.7 (66)	53	*	173	22.0 (66)	210	18.1 (76)
Arenac	202	20.8 (34)	246	11.0 (45)	41	*	203	24.1 (70)	249	17.3 (74)
Baraga	99	*	113	22.1 (76)	37	*	99	*	113	9.7 (55)
Barry	448	12.9 (8)	597	6.5 (12)	58	*	451	12.9 (36)	595	4.4 (15)
Bay	1,058	21.6 (36)	1,273	9.5 (34)	220	38.2 (21)	1,058	12.2 (30)	1,279	7.4 (42)
Benzie	162	28.4 (55)	204	11.8 (50)	43	*	161	8.1 (18)	208	7.7 (46)
Berrien	1,378	19.2 (28)	1,811	8.4 (26)	248	43.5 (16)	1,397	14.4 (41)	1,818	8.7 (51)
Branch	723	14.5 (10)	918	8.5 (27)	96	*	723	9.8 (24)	930	6.7 (38)
Calhoun	1,963	17.8 (22)	2,406	4.9 (8)	324	44.8 (12)	1,964	6.9 (8)	2,410	3.7 (12)
Cass	591	19.0 (26)	735	7.3 (17)	103	34.0 (29)	594	7.6 (14)	740	2.4 (1)
Charlevoix	174	20.1 (30)	246	8.5 (27)	35	*	175	15.4 (49)	249	6.4 (31)
Cheboygan	257	25.7 (46)	290	10.3 (39)	62	*	259	16.6 (55)	299	8.0 (48)
Chippewa	388	20.6 (33)	468	16.9 (67)	76	*	393	15.5 (50)	473	6.6 (34)
Clare	401	32.4 (66)	461	19.5 (70)	119	28.6 (33)	403	22.3 (67)	469	11.3 (64)
Clinton	278	23.4 (42)	342	9.1 (30)	57	*	278	10.8 (26)	354	5.6 (25)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 7B

2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾

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Michigan

Comparison of Smoking Indicators by County

Combined 3 Years

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (rank)	Number	% (rank)		Number	% (rank)	Number	% (rank)	
Crawford	178	29.2 (59)	206	11.7 (49)	45	*	178	24.2 (71)	212	12.7 (68)
Delta	385	29.4 (60)	483	17.4 (68)	105	22.9 (37)	384	13.5 (39)	485	6.6 (34)
Dickinson	266	27.4 (51)	296	15.2 (62)	63	*	264	5.3 (3)	302	3.0 (5)
Eaton	475	15.6 (13)	617	7.8 (20)	70	*	477	12.4 (34)	620	5.2 (22)
Emmet	239	21.3 (35)	304	11.8 (50)	52	*	239	10.9 (27)	305	4.9 (20)
Genesee	5,112	16.8 (16)	6,447	6.9 (13)	772	41.1 (18)	5,097	11.1 (28)	6,499	5.8 (27)
Gladwin	320	32.2 (65)	349	14.0 (60)	98	*	321	21.8 (65)	365	12.6 (67)
Gogebic	132	37.9 (70)	164	21.3 (73)	41	*	132	22.7 (68)	165	7.3 (39)
Gr Travers	747	26.5 (48)	948	11.4 (47)	176	38.1 (22)	749	12.4 (34)	974	7.4 (42)
Gratiot	443	26.6 (49)	501	7.6 (19)	111	44.1 (13)	445	15.1 (47)	527	10.4 (60)
Hillsdale	483	25.5 (44)	625	13.8 (58)	114	23.7 (36)	487	15.8 (51)	641	9.7 (55)
Houghton	365	30.1 (63)	452	19.2 (69)	102	32.4 (30)	368	8.4 (21)	456	3.7 (12)
Huron	301	21.6 (36)	409	8.1 (23)	62	*	301	14.6 (43)	409	5.9 (28)
Ingham	3,886	15.5 (11)	4,992	6.3 (10)	579	47.3 (9)	3,885	8.2 (19)	5,003	3.0 (5)
Ionia	575	22.4 (39)	745	11.5 (48)	123	22.8 (38)	578	17.1 (57)	771	5.3 (24)
Iosco	279	28.0 (53)	322	11.8 (50)	77	*	281	14.6 (43)	335	9.0 (53)
Iron	137	29.9 (62)	153	20.3 (72)	39	*	141	17.7 (58)	157	10.8 (62)
Isabella	806	18.5 (24)	979	10.4 (42)	154	27.9 (34)	820	12.3 (32)	988	7.6 (44)
Jackson	1,907	18.9 (25)	2,312	10.3 (39)	324	31.2 (32)	1,906	12.9 (36)	2,308	7.3 (39)

(1) Reporting period is January 1 through December 31.

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(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

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Table 7B

2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾

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Michigan

Comparison of Smoking Indicators by County

Combined 3 Years

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Kalamazoo	2,399	16.2 (14)	3,023	6.9 (13)	353	36.0 (28)	2,407	8.0 (17)	3,052	4.7 (18)
Kalkaska	197	28.9 (58)	216	13.0 (55)	53	*	198	19.2 (62)	227	15.0 (73)
Kent	7,026	9.9 (4)	8,975	4.0 (5)	692	47.5 (8)	6,973	5.7 (5)	9,007	2.4 (1)
Lake	145	42.8 (71)	166	27.1 (77)	56	*	147	20.4 (63)	171	12.9 (69)
Lapeer	733	17.2 (20)	969	9.2 (31)	127	44.1 (13)	737	7.9 (16)	975	3.5 (11)
Leelanau	53	*	69	*	9	*	54	*	70	*
Lenawee	800	18.1 (23)	1,022	8.1 (23)	125	40.0 (19)	802	9.4 (23)	1,026	4.7 (18)
Livingston	692	20.5 (32)	908	5.7 (9)	132	50.0 (6)	696	8.3 (20)	931	5.0 (21)
Luce	88	*	108	14.8 (61)	32	*	94	*	109	18.3 (77)
Mackinac	77	*	91	*	16	*	77	*	94	*
Macomb	6,438	7.0 (1)	8,994	2.7 (3)	419	46.5 (11)	6,416	5.7 (5)	8,981	3.4 (10)
Manistee	205	28.8 (56)	236	15.3 (63)	50	*	205	16.1 (53)	244	10.7 (61)
Marquette	464	32.5 (67)	555	10.1 (37)	146	39.0 (20)	461	7.8 (15)	582	4.6 (16)
Mason	270	30.4 (64)	344	13.7 (57)	79	*	271	14.4 (41)	347	13.5 (70)
Mecosta	570	26.7 (50)	623	10.8 (43)	143	25.2 (35)	570	16.1 (53)	670	8.8 (52)
Menominee	175	27.4 (51)	218	13.3 (56)	40	*	176	17.0 (56)	220	8.6 (50)
Midland	660	22.9 (40)	844	7.9 (21)	141	36.9 (24)	661	7.3 (11)	876	4.2 (14)
Missaukee	164	16.5 (15)	201	11.9 (53)	24	*	164	17.7 (58)	203	11.8 (66)
Monroe	1,262	23.9 (43)	1,625	8.7 (29)	302	41.4 (17)	1,272	12.2 (30)	1,645	6.4 (31)

(1) Reporting period is January 1 through December 31.

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(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 7B

2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾

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Michigan

Comparison of Smoking Indicators by County

Combined 3 Years

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Montcalm	672	22.3 (38)	869	7.5 (18)	142	47.2 (10)	671	13.6 (40)	895	9.9 (57)
Montmorenc	92	*	108	15.7 (64)	24	*	92	*	111	19.8 (78)
Muskegon	2,346	15.5 (11)	3,011	8.1 (23)	342	32.2 (31)	2,350	10.5 (25)	3,060	5.9 (28)
Newaygo	807	20.2 (31)	970	9.9 (36)	154	37.7 (23)	803	8.6 (22)	969	7.3 (39)
Oakland	6,910	8.0 (2)	9,303	2.6 (2)	515	53.6 (2)	6,901	6.0 (7)	9,338	3.2 (8)
Oceana	338	16.9 (17)	406	9.4 (33)	49	*	338	7.4 (12)	406	3.0 (5)
Ogemaw	280	29.6 (61)	348	12.4 (54)	78	*	280	23.9 (69)	356	11.0 (63)
Ontonagon	51	*	47	*	10	*	51	*	48	*
Osceola	314	25.5 (44)	366	19.7 (71)	73	*	315	19.0 (61)	375	14.7 (72)
Oscoda	89	*	99	*	19	*	90	*	101	7.9 (47)
Otsego	296	23.0 (41)	370	10.3 (39)	64	*	299	17.7 (58)	379	10.0 (58)
Ottawa	2,021	13.7 (9)	2,796	3.8 (4)	262	51.1 (5)	2,028	5.2 (2)	2,826	2.5 (3)
Presque Is	90	*	102	10.8 (43)	17	*	90	*	104	11.5 (65)
Roscommon	250	34.4 (69)	281	21.4 (74)	79	*	251	20.7 (64)	295	14.2 (71)
Saginaw	2,634	17.4 (21)	3,193	7.0 (15)	430	47.7 (7)	2,636	12.0 (29)	3,216	6.4 (31)
Sanilac	366	12.8 (7)	438	4.8 (7)	49	*	371	7.5 (13)	445	5.6 (25)
Schoolcraf	89	*	106	21.7 (75)	36	*	89	*	109	17.4 (75)
Shiawassee	791	10.2 (5)	993	6.3 (10)	83	*	794	4.0 (1)	999	4.6 (16)
St Clair	1,331	26.4 (47)	1,568	9.2 (31)	308	43.8 (15)	1,335	14.7 (45)	1,590	8.1 (49)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 4/14/2025

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2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾

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Michigan

Comparison of Smoking Indicators by County

Combined 3 Years

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
St Joseph	843	19.1 (27)	1,033	9.6 (35)	140	36.4 (25)	848	13.2 (38)	1,047	6.6 (34)
Tuscola	526	28.3 (54)	668	11.2 (46)	144	51.4 (4)	527	15.9 (52)	674	9.3 (54)
Van Buren	925	17.0 (19)	1,124	7.0 (15)	146	36.3 (26)	926	6.9 (8)	1,154	5.2 (22)
Washtenaw	2,267	12.5 (6)	2,774	4.5 (6)	240	51.7 (3)	2,271	5.6 (4)	2,788	2.7 (4)
Wayne	24,451	8.9 (3)	33,605	2.5 (1)	2,008	60.9 (1)	24,487	7.0 (10)	33,659	3.3 (9)
Wexford	464	19.8 (29)	605	10.2 (38)	84	*	464	15.3 (48)	608	10.2 (59)
Michigan	98,366	14.6	127,800	5.8	13,377	43.1	98,459	9.1	128,740	4.8

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

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(4) Among women who smoked 3 months prior to pregnancy.

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Table 8B

2022 - 2024 Pregnancy Nutrition Surveillance ⁽¹⁾ Michigan Comparison of Infant Health Indicators by County Combined 3 Years

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Comparison of Infant Health Indicators ^(2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Alcona	106	8.5 (30)	9.4 (65)	107	15.0 (71)	89	*	106	71.7 (71)
Alger	59	*	*	60	*	51	*	59	*
Allegan	1,137	10.0 (49)	6.3 (21)	1,163	13.4 (55)	979	4.1 (35)	1,145	81.0 (46)
Alpena	350	8.3 (28)	7.1 (40)	351	12.0 (39)	297	4.4 (42)	351	82.6 (37)
Antrim	189	7.4 (13)	7.4 (44)	198	8.1 (2)	171	4.7 (49)	195	84.6 (18)
Arenac	237	5.1 (1)	6.3 (21)	237	8.9 (5)	213	0.9 (1)	235	83.8 (27)
Baraga	102	5.9 (5)	9.8 (69)	107	11.2 (29)	89	*	102	82.4 (39)
Barry	551	9.3 (40)	6.5 (26)	583	14.8 (70)	472	2.5 (14)	558	83.3 (35)
Bay	1,200	11.3 (61)	8.3 (59)	1,246	12.9 (49)	1,042	4.5 (45)	1,203	74.1 (66)
Benzie	196	7.7 (18)	11.7 (75)	204	9.8 (9)	178	3.9 (32)	196	87.2 (10)
Berrien	1,697	9.9 (47)	6.1 (15)	1,764	12.2 (40)	1,478	4.8 (51)	1,703	74.3 (65)
Branch	837	8.8 (35)	7.6 (47)	887	10.3 (16)	739	5.4 (64)	859	79.5 (54)
Calhoun	2,262	10.4 (53)	7.3 (43)	2,331	11.5 (33)	1,985	4.8 (51)	2,280	80.6 (51)
Cass	685	7.0 (11)	6.1 (15)	691	10.9 (24)	604	2.6 (15)	687	81.1 (44)
Charlevoix	209	5.7 (3)	10.5 (72)	239	8.4 (4)	189	1.6 (3)	232	89.7 (5)
Cheboygan	285	9.5 (42)	10.2 (71)	289	10.7 (17)	252	3.2 (19)	285	80.7 (49)
Chippewa	434	7.8 (21)	8.8 (63)	449	10.7 (17)	385	3.1 (18)	437	83.5 (34)
Clare	426	10.3 (50)	7.7 (50)	452	10.2 (14)	380	6.8 (70)	426	77.9 (57)
Clinton	332	12.0 (66)	7.8 (52)	345	15.7 (74)	281	4.3 (41)	333	87.1 (11)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 8B

2022 - 2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Comparison of Infant Health Indicators by County

Combined 3 Years

Comparison of Infant Health Indicators (2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Crawford	194	7.7 (18)	4.6 (2)	200	11.0 (25)	171	1.2 (2)	196	84.2 (21)
Delta	448	7.4 (13)	6.0 (13)	464	11.0 (25)	398	2.3 (10)	449	81.1 (44)
Dickinson	293	5.5 (2)	4.8 (3)	293	10.2 (14)	259	1.9 (7)	292	83.9 (25)
Eaton	593	12.1 (67)	6.9 (38)	609	14.4 (67)	508	5.1 (58)	599	83.6 (32)
Emmet	289	10.7 (54)	8.0 (55)	295	13.9 (61)	247	2.4 (11)	290	89.3 (6)
Genesee	6,240	13.4 (75)	5.8 (10)	6,353	13.6 (57)	5,346	6.8 (70)	6,267	67.1 (73)
Gladwin	331	6.6 (8)	6.3 (21)	342	9.9 (12)	298	3.7 (27)	330	85.2 (15)
Gogebic	157	7.0 (11)	8.3 (59)	162	9.3 (6)	142	2.8 (17)	157	75.2 (64)
Gr Travers	921	8.6 (32)	8.3 (59)	938	11.5 (33)	805	4.1 (35)	930	90.4 (2)
Gratiot	489	9.2 (39)	7.2 (42)	499	10.8 (21)	432	4.2 (39)	490	83.9 (25)
Hillsdale	591	11.0 (57)	5.8 (10)	606	15.5 (73)	489	4.9 (56)	592	83.6 (32)
Houghton	426	6.8 (9)	6.1 (15)	443	12.4 (42)	373	1.9 (7)	431	90.3 (3)
Huron	385	8.1 (23)	9.1 (64)	391	12.3 (41)	336	2.4 (11)	386	82.1 (40)
Ingham	4,663	11.1 (59)	6.5 (26)	4,822	13.3 (53)	4,033	4.2 (39)	4,712	84.3 (20)
Ionia	728	10.3 (50)	6.7 (33)	745	12.5 (45)	634	4.7 (49)	730	87.7 (9)
Iosco	315	9.5 (42)	10.8 (73)	319	10.7 (17)	274	4.4 (42)	313	73.5 (68)
Iron	141	11.3 (61)	8.5 (62)	149	18.1 (75)	117	1.7 (6)	139	88.5 (8)
Isabella	926	8.6 (32)	7.6 (47)	953	9.8 (9)	831	4.6 (47)	930	83.8 (27)
Jackson	2,155	12.2 (69)	7.1 (40)	2,231	13.9 (61)	1,851	5.1 (58)	2,165	81.0 (46)

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(7) 37 or more weeks gestation and <2500 g.

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WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 8B

2022 - 2024 Pregnancy Nutrition Surveillance (1) Michigan Comparison of Infant Health Indicators by County Combined 3 Years

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Comparison of Infant Health Indicators (2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Kalamazoo	2,855	11.3 (61)	6.5 (26)	2,935	12.8 (48)	2,475	5.1 (58)	2,881	77.8 (58)
Kalkaska	213	10.8 (55)	8.0 (55)	224	12.9 (49)	186	2.7 (16)	213	89.2 (7)
Kent	8,398	12.4 (71)	5.3 (7)	8,727	14.5 (68)	7,160	5.3 (63)	8,574	79.4 (55)
Lake	157	7.6 (17)	6.4 (25)	161	12.4 (42)	132	4.5 (45)	157	82.8 (36)
Lapeer	900	8.9 (37)	8.2 (58)	939	11.9 (38)	789	4.1 (35)	905	81.4 (42)
Leelanau	61	*	*	66	*	56	*	62	*
Lenawee	972	7.9 (22)	7.4 (44)	996	10.8 (21)	864	3.2 (19)	970	81.4 (42)
Livingston	886	11.2 (60)	6.3 (21)	895	15.3 (72)	745	3.8 (30)	888	84.2 (21)
Luce	98	*	*	98	*	87	*	97	*
Mackinac	89	*	*	89	*	84	*	89	*
Macomb	8,563	12.4 (71)	4.8 (3)	8,675	13.8 (59)	7,285	6.2 (68)	8,632	75.4 (63)
Manistee	227	8.8 (35)	6.6 (30)	232	13.4 (55)	197	5.1 (58)	227	83.7 (31)
Marquette	556	10.3 (50)	5.0 (5)	562	13.3 (53)	478	4.8 (51)	561	85.0 (16)
Mason	319	8.2 (27)	10.0 (70)	327	10.7 (17)	281	3.6 (26)	323	84.5 (19)
Mecosta	627	9.1 (38)	6.5 (26)	636	11.3 (31)	549	4.9 (56)	631	83.8 (27)
Menominee	212	6.1 (6)	6.1 (15)	217	11.1 (28)	187	1.6 (3)	211	79.6 (53)
Midland	805	8.1 (23)	9.4 (65)	842	9.9 (12)	725	4.0 (34)	807	77.2 (60)
Missaukee	187	6.4 (7)	8.0 (55)	193	9.8 (9)	167	2.4 (11)	189	90.5 (1)
Monroe	1,579	8.5 (30)	6.8 (36)	1,613	10.8 (21)	1,403	3.2 (19)	1,578	72.6 (70)

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(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

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Michigan

Comparison of Infant Health Indicators by County

Combined 3 Years

Comparison of Infant Health Indicators ^(2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low		High	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Montcalm	844	8.3 (28)	5.1 (6)	867	11.2 (29)	742	3.5 (24)	849	86.5 (12)
Montmorenc	104	8.7 (34)	7.7 (50)	103	11.7 (36)	89	*	106	84.0 (23)
Muskegon	2,862	11.7 (65)	6.0 (13)	2,973	14.5 (68)	2,430	5.7 (65)	2,879	73.7 (67)
Newaygo	908	9.5 (42)	6.6 (30)	926	13.2 (52)	777	4.1 (35)	912	84.0 (23)
Oakland	8,713	12.4 (71)	5.8 (10)	9,057	13.6 (57)	7,459	5.7 (65)	8,887	77.3 (59)
Oceana	387	10.9 (56)	6.7 (33)	391	11.5 (33)	342	5.8 (67)	389	80.7 (49)
Ogemaw	337	6.8 (9)	11.3 (74)	344	9.6 (7)	303	3.3 (23)	337	76.6 (62)
Ontonagon	47	*	*	47	*	40	*	47	*
Osceola	355	11.0 (57)	6.8 (36)	361	12.5 (45)	311	4.8 (51)	354	81.6 (41)
Oscoda	95	*	*	96	*	80	*	95	*
Otsego	325	7.7 (18)	6.2 (20)	358	7.3 (1)	300	3.7 (27)	346	86.4 (13)
Ottawa	2,568	11.3 (61)	6.6 (30)	2,722	14.2 (66)	2,194	3.7 (27)	2,667	85.0 (16)
Presque Is	98	*	*	99	*	85	*	98	*
Roscommon	272	7.4 (13)	5.5 (9)	280	8.2 (3)	249	4.8 (51)	272	80.5 (52)
Saginaw	3,011	12.1 (67)	5.3 (7)	3,087	14.1 (65)	2,584	4.6 (47)	3,024	70.1 (72)
Sanilac	420	8.1 (23)	7.9 (54)	435	11.3 (31)	371	3.5 (24)	428	67.1 (73)
Schoolcraf	104	9.6 (46)	6.7 (33)	109	13.8 (59)	89	*	104	73.1 (69)
Shiawassee	945	7.5 (16)	6.9 (38)	975	11.7 (36)	835	3.2 (19)	949	78.3 (56)
St Clair	1,507	9.3 (40)	7.8 (52)	1,537	11.0 (25)	1,340	3.8 (30)	1,510	77.2 (60)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 8B

2022 - 2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Comparison of Infant Health Indicators by County

Combined 3 Years

Comparison of Infant Health Indicators (2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
St Joseph	977	8.1 (23)	9.5 (67)	1,011	12.4 (42)	845	2.2 (9)	991	83.8 (27)
Tuscola	633	5.8 (4)	7.6 (47)	647	9.7 (8)	570	1.6 (3)	634	82.6 (37)
Van Buren	1,060	9.9 (47)	7.5 (46)	1,111	12.6 (47)	916	4.4 (42)	1,078	81.0 (46)
Washtenaw	2,587	12.2 (69)	6.1 (15)	2,681	13.9 (61)	2,213	5.2 (62)	2,637	85.5 (14)
Wayne	30,917	13.1 (74)	4.2 (1)	32,564	14.0 (64)	26,359	6.7 (69)	31,790	64.6 (75)
Wexford	571	9.5 (42)	9.5 (67)	574	12.9 (49)	485	3.9 (32)	575	90.1 (4)
Michigan	119,947	11.5	5.9	124,372	13.2	103,291	5.3	121,765	45.9

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.